

507.974 /  
N48

NEW YORK  
BOTANICAL  
GARDEN

**INDEX**  
**Appendix to**  
**FLORA OF THE**  
**COLUMBIA COUNTY AREA**  
**NEW YORK**

**By**  
**ROGERS McVAUGH**  
**Temporary Botanist**



---

**NEW YORK STATE MUSEUM**  
**AND SCIENCE SERVICE**  
**BULLETIN NUMBER 360 A**


*The University of the State of New York*  
*The State Education Department*

Albany, N. Y.

April 1958

M441r-F58-2000

JUN 12 1958



Digitized by the Internet Archive  
in 2017 with funding from  
IMLS LG-70-15-0138-15

INDEX  
Appendix to  
FLORA OF THE  
COLUMBIA COUNTY AREA  
NEW YORK

By  
ROGERS McVAUGH  
Temporary Botanist



---

NEW YORK STATE MUSEUM  
AND SCIENCE SERVICE  
BULLETIN NUMBER 360 A

*The University of the State of New York*  
*The State Education Department*

- Ambrosia*, 215, 219; *artemisiifolia*, 219, 354, 386, 387, 389; *trifida*, 219, 278, 339, 357, 363 (map), 388
- Amelanchier*, 145, 151, 329, 397; *ambilis*, 151, 152; *arborea*, 152, 304, 312, 353; *Bartramiana*, 60, 152; *canadensis*, 152; *humilis*, 151, 152, 357; *laevis*, 152, 323, 360; *sanguinea*, 151, 152; *spicata*, 152; *stolonifera*, 151, 152, 324
- Ammannia humilis*, 232
- Amorpha*, 378
- Amphicarpa*, 154, 161; *bracteata*, 161, 298, 353; var. *comosa*, 159 (illus.), 161, 357
- Anacardiaceae*, 165, 392
- Anacharis*, 47; *canadensis*, 47, 286, 297, 351, 388; *Nuttallii*, 47, 48, 274, 285
- Anagallis*, 189, 190; *arvensis*, 190
- Anaphalis*, 215, 226; *margaritacea*, 226, 354
- Anchistea*, 30, 33; *virginica*, 33
- Ancram Lead Mines (settlement), 14, 81, 83; (mine), 254
- Andrews, Edward D., cited, 255
- Andromeda*, 183, 185; *glaucophylla*, 185, 290
- Andropogon*, 51, 64; *Gerardi*, 64; *provincialis*, 64; *scoparius*, 64, 324, 330, 352; *virginicus*, 231
- Andropogoneae*, 48, 51
- Anemone*, 130, 131; *canadensis*, 131, 339, 357, 363 (map); *cylindrica*, 232; *quinquefolia*, 131, 319, 352; *riparia*, 131; *virginiana*, 131, 352
- anemone, rue, 132, 252; wood, 131
- Anemonella*, 130, 132; *thalictroides*, 132, 252, 310-312, 319, 352
- Angelica*, 179, 180; *atropurpurea*, 180, 300; *venenosa*, 180
- Angiospermae*, 41
- Antennaria*, 215, 226; *canadensis*, 226, 354; *fallax*, 226; *munda*, 226, 356; *neglecta*, 226, 354; *neodioica*, 226, 354; *Parlinii*, 226; *plantaginifolia*, 226, 354
- Anthemis*, 217, 229; *Cotula*, 229, 386, 388; *tinctoria*, 229
- Anthoxanthum*, 50, 60; *odoratum*, 60, 339
- Apios*, 155, 161; *americana*, 161, 355
- Aplectrum hyemale*, 232
- Apocynaceae*, 192, 392
- Apocynum*, 192; *androsaemifolium*, 192, 353, 388; *cannabinum*, 192, 353, 386; *sibiricum*, 192
- apple, 151; cultivation of, 243, 245
- aquatic plants, distribution of, 382
- Aquifoliaceae*, 166, 392
- Aquilegia*, 130, 131; *canadensis*, 131, 310, 320, 330, 352
- Arabis*, 137, 138; *canadensis*, 138, 139, 320, 332, 357, 363 (map); *glabra*, 232; *hirsuta*, 138, 320; var. *pycnocarpa*, 138; *laevigata*, 138, 355; *lyrata*, 138, 321, 330, 357
- Araceae*, 91, 391
- Aralia*, 177, 178; *hispida*, 178, 333; *nudicaulis*, 178, 293, 299, 304, 306, 308, 310, 311, 321, 323, 347, 353, 375, 376; *racemosa*, 178, 308, 319, 332, 343, 344, 355
- Araliaceae*, 177, 392
- arbor vitae, 40, 356
- arbutus, trailing, 185
- Arceuthobium*, 118; *pusillum*, 118
- Arctium*, 216, 230; *Lappa*, 230; *minus*, 230, 386
- Arctostaphylos*, 183, 186, 329; *Uva-ursi*, 186, 324, 326 (illus.); var. *coactilis*, 186
- Arenaria*, 125, 126; *lateriflora*, 126, 127; *serpyllifolia*, 126, 127; *stricta*, 232
- Arethusa*, 102, 104; *bulbosa*, 104, 381
- Arisaema*, 91; *atrorubens*, 91; *Dracontium*, 91, 363 (map); *Stewardsonii*, 91; *triphyllum*, 91, 298, 308, 311, 319, 352, 376, 379, 380
- Aristida*, 50, 60; *Curtissii*, 19; *dichotoma*, 60, 352
- Aristolochia*, 377
- Aristolochiaceae*, 118, 392
- Armoracia*, 136, 137; *lapathifolia*, 137
- Aronia*, 145, 151, 329; *arbutifolia*, 151, 301; *melanocarpa*, 151, 323, 324, 360
- Arrhenatherum*, 49, 57; *elatus*, 57
- Arrow-grass Family, 46
- arrowhead, 47; broad-leaved, 47
- arrow-wood, 211, 304
- Artemisia Absinthium*, 232
- artichoke, Jerusalem, 228

- Arum Family, 91  
 arum, green water, 91  
*Asarum*, 118; *canadense*, 118, 310, 311, 319, 352, 380  
*Asclepiadaceae*, 192, 392  
*Asclepias*, 192; *amplexicaulis*, 192, 193; *exaltata*, 193, 361; *incarnata*, 193, 300, 355; *purpurascens*, 232; *quadri-  
folia*, 192, 193, 310, 311, 355; *syriaca*, 192, 193, 353, 386; *tuberosa*, 192, 193; *verticillata*, 192, 193, 333, 363 (map); *viridiflora*, 192, 193  
*Ascyrum*, 378  
 ash, black, 190, 298, 300; red, 190; white, 190, 259, 340, 375 (see mountain ash, prickly ash)  
*Asimina*, 377; *triloba*, 367, 380  
*Asparagus*, 97, 98; *officinalis*, 98  
 asparagus, 98  
 aspen, large-toothed, 107; quaking, 107  
*Aspidium noveboracense*, 307; *spinulosum*, 306; *spinulosum intermedium*, 307  
*Asplenium*, 30, 33; *acrostichoides*, 307; *cryptolepis*, 34; *ebenoides*, 33; *Filix-femina*, 307; *montanum*, 33, 34; *platyneuron*, 33, 310, 311, 332, 354, 363 (map); *Ruta-muraria*, 33, 34, 37 (illus.), 320; *Trichomanes*, 33, 34, 320, 332, 343, 354, 363 (map)  
 × *Asplenosorus*, 33; *ebenoides*, 33  
 associations, plant (see plant associations)  
*Aster*, 216, 223; *acuminatus*, 224, 225, 306, 308, 323, 347, 349, 361, 376; *cordifolius*, 223, 224, 320, 354; *divaricatus*, 223, 224, 304, 308, 310, 311, 319, 354; *dumosus*, 232; *ericoides*, 223, 225, 355; *infirmus*, 224, 225, 357; *junciformis*, 223, 224; *laevis*, 223, 224, 347, 354; *lateriflorus*, 224, 308, 354; *linariifolius*, 224, 225; *longifolius*, 232; *macrophyllus*, 223, 224, 355; *novae-angliae*, 223, 224, 339, 357; *novi-belgii*, 232; *patens*, 223, 224, 357; *pilosus*, 223, 225, 357; var. *demotus*, 225; *preanthoides*, 223, 224; *punicus*, 224, 300, 354; *sagittifolius*, 232; *Schreberi*, 223, 224, 319, 355; *simplex*, 223, 224, 225, 337, 354; *Tradescanti*, 232; *umbellatus*, 224, 225; *undulatus*, 223, 224, 347, 354  
 aster, blue wood, 224; mountain, 225; New England, 224; northern bog, 224; purple-stemmed swamp, 224; smooth, 224; white wood, 224  
 Aster Family, 215  
*Astilbe*, 141, 142; *biternata*, 142  
*Athyrium*, 30, 34; *angustum*, 34, 311, 351; *Filix-femina* var. *Michauxii*, 34; *thelypteroides*, 34, 311, 332, 354  
*Atriplex*, 122, 123; *patula*, 123; var. *hastata*, 123  
*Aureolaria*, 201, 205; *flava*, 205, 347, 361; *pedicularia*, 205, 357; *virginica*, 205, 347, 355, 363 (map)  
*Aveneae*, 48, 49  
 avens, 148; purple, 149; yellow, 149  
*Azalea arborescens*, 232  
 azalea, white, 185; wild, 184

## B

- Bailey, L. H., determination by, 150  
 Ball, Carleton R., acknowledgment to, 108; determinations by, 109, 110  
 balsam fir, 40, 369, 376 (see poplar, balsam)  
*Balsaminaceae*, 162, 392  
 baneberry, red, 131; white, 131  
*Baptisia*, 154, 155; *tinctoria*, 155, 353  
*Barbarea*, 136, 138; *vulgaris*, 138, 387; var. *arcuata*, 138  
 barberry, European, 134  
 Barberry Family, 134  
 bare rocky summits, plants of, 321, 361  
*Bartonia*, 190, 191; *virginica*, 191  
 Bashbish Brook, valley of, 325 (illus.); gorge, forest in, 36 (illus.), 112 (illus.); general views of, 342 (illus.), 345 (illus.); plants of, 344-349  
 basil, 198  
 basswood, 168, 310, 375  
 Batjer, L. P., & Oskamp, Joseph, cited, 245  
 bayberry, 107

- Beals, A. T., letter from, 17  
bean, wild, 161; trailing wild, 161  
bearberry, 186, 324, 326 (illus.)  
beard-tongue, 203  
Becraft Mountain, described, 309; geology of, 234  
bedstraw, 208; sweet-scented, 209; yellow, 209  
beech, 115, 306, 317, 367, 369, 375  
beechdrops, 207  
Beech Family, 115  
beggar-lice, 157  
bellflower, European, 213  
Bellflower Family, 213  
bellwort, 99  
Benson, Adolph B., cited, 260, 281  
*Benzoin aestivale*, 380  
*Berberidaceae*, 134, 392  
*Berberis*, 134; *vulgaris*, 134  
bergamot, wild, 198  
*Berteroa*, 136, 137; *incana*, 137  
*Betula*, 111, 378, 379; *lenta*, 114, 298, 303, 305, 307, 312, 317, 318, 343, 347, 352, 369, 376; *lutea*, 112 (illus.), 114, 298, 303, 307, 312, 317, 347, 360, 369, 376; *nigra*, 114, 378; *papyrifera*, 114, 298, 303, 310, 317, 343, 347, 360; *populifolia*, 114, 298-300, 305, 330, 339, 352, 388; *pumila*, 107, 111, 114, 301  
*Betulaceae*, 111, 392  
*Bidens*, 216, 228, 278, 281; *Beckii*, 228, 229; *bidentoides*, 228, 229, 274, 337; *cernua*, 228, 300, 354, 388; *comosa*, 228; *connata*, 228, 274, 337, 357; *Eatoni*, 228, 229, 274, 395; *var. major*, 229; *frondosa*, 228, 354, 386, 389; *hyperborea*, 228, 274; *laevis*, 228; *vulgata*, 228, 354, 386  
bindweed, 121, 194, 389  
birch, 111, 300, 317; black, 114, 303, 305, 318, 323, 343, 347, 375; dwarf, 301; gray, 114, 330; old field, 114; paper, 114, 303, 308, 322-324, 343, 347, 369; red, 114; river, 114; sweet, 114; white, 114, 324; yellow, 114, 344, 367, 369, 375  
Birch Family, 111  
bird's-foot trefoil, 156, 356, 391  
Birthwort Family, 118  
Bishop, I. P., cited, 309  
bittersweet, 166, 320  
black alder, 166; -eyed Susan, 227, 390; grass, 20, 95  
blackberry, 386; highbush, 150; mountain, 150; running swamp, 150; thornless, 150  
bladdernut, 166  
Bladdernut Family, 166  
bladderwort, 206  
Bladderwort Family, 206  
blazing-star, 97  
*Blephilia hirsuta*, 232  
Block, Adriaen, map by, 253  
bloodroot, 135  
blueberry, 186; black highbush, 189; highbush, 186; lowbush, 189  
bluets, 208  
blue curls, 197; devil, 195; -eyed grass, 101  
Blue Hill, plants of, 329, 333  
*Boehmeria*, 117, 118; *cylindrica*, 118, 290, 352  
bog, defined, 21; sphagnum, 290; as a term meaning tussock, 86  
bog association, calcareous, 143 (illus.); rosemary, 185  
boneset, 220; climbing, 220  
Boott, William, determinations by, 262  
Borage Family, 194  
*Boraginaceae*, 194, 392  
boreal forest not in Columbia County area, 376  
*Botrychium*, 27, 28; *dissectum*, 28, 354; f. *obliquum*, 28; *lanceolatum* var. *angustisegmentum*, 28; *matricariaefolium*, 28; *obliquum*, 28; *silatifolium*, 231; *virginianum*, 28, 307, 310, 311, 319, 351, 376  
bouncing Bet, 128  
*Bouteloua*, 50, 60; *curtipendula*, 60, 333, 363 (map), 384  
box elder, 167  
Brace, John Pierce, cited, 261; species reported by, 97  
Brace Mountain, "grassland" on, 324  
*Brachyelytrum*, 50, 59; *erectum*, 59, 307, 319, 354, 376  
bracken, 34  
brake, 34



*Brasenia*, 128; *Schreberi*, 128  
*Brassica*, 136, 139; *campestris*, 139;  
*hirta*, 139; *juncea*, 139; *kaber*, 139,  
 388, 389; *nigra*, 139, 387; *Rapa*, 139  
 Bray, William L., cited, 367, 368  
 Britton, Elizabeth G., cited, 263  
*Bromus*, 49, 51; *ciliatus*, 51, 354;  
*inermis*, 51; *Kalmii*, 51; *latiglumis*,  
 51; *mollis*, 231; *pubescens*, 51, 354;  
*purgans*, 51, 356; *secalinus*, 51, 388;  
*tectorum*, 51, 387, 390  
 brooklime, 205  
 broom-rape, 207  
 Broom-rape Family, 206  
 buckbean, 191  
 buckthorn, 168  
 Buckthorn Family, 167  
 buckwheat, 122

Buckwheat Family, 118  
 bughane, 131  
*Bulbostylis*, 64, 67; *capillaris*, 67  
 bulrush, 69  
 bunchberry, 182  
 burdock, common, 230; great, 230  
 Burnham, S. H., cited, 263; species  
 reported by, 126, 157  
 bur-reed, 41  
 Bur-reed Family, 41  
 butter-and-eggs, 203  
 buttercup, 132; double, 133; early  
 woods, 133; meadow, 133; swamp,  
 133  
 Buttercup Family, 130  
 butterflyweed, 193  
 butternut, 105, 298  
 buttonbush, 208  
 buttonwood, 145

## C

*Cactaceae*, 174, 392  
 Cactus Family, 174  
 Cain, Stanley A., cited, 378, 379  
*Calamagrostis*, 50, 57; *canadensis*, 57,  
 289, 297, 352; *perplexa*, 57  
 calamus, 92  
 calcareous marshes, characteristic spe-  
 cies of, 381; described, 300  
 calcareous rocks, as a habitat, 37  
 (illus.), 38 (illus.)  
*Calla*, 91; *palustris*, 91  
 calla, wild, 91  
*Callitrichaceae*, 165, 392  
*Callitriche*, 165; *heterophylla*, 165;  
*palustris*, 165, 355  
*Caloglossa Leprieurii*, 273  
*Calopogon*, 102, 104; *pulchellus*, 104,  
 290, 381  
*Caltha*, 130; *palustris*, 130, 352  
*Calycanthus*, 377  
 camomile, fetid, 229  
*Campanula*, 213; *acuminata*, 214;  
*americana*, 213, 214; *aparinoides*, 213,  
 214, 355; *rapunculoides*, 213; *rotun-*  
*difolia*, 213, 323, 330, 355; *uliginosa*,  
 214  
*Campanulaceae*, 213, 214, 393  
 campion, bladder, 127; white, 127

*Camptosorus*, 30, 33; *rhizophyllus*, 33,  
 311, 320  
*Cannabinaceae*, 116  
*Cannabis sativa*, 232  
 Caper Family, 140  
*Cappariaceae*, 140, 392  
*Caprifoliaceae*, 210, 393  
*Capsella*, 136, 137; *Bursa-pastoris*, 137,  
 386  
*Cardamine*, 137, 139; *bulbosa*, 139, 357,  
 363 (map); *hirsuta*, 232; *parviflora*,  
 139, 321, 360; var. *arenicola*, 139;  
*pensylvanica*, 139, 352; *pratensis*, 232  
 cardinal flower, 214  
*Carex*, 19, 64, 71, 262, 299; taxonomic  
 treatment of, 19; Sections *Acutae*,  
 71, 85; *Albae*, 72, 80; *Anomalae*, 72,  
 85; *Atratae*, 73, 85; *Bicolores*, 71,  
 80; *Bracteosae*, 71, 73; *Cryptocarphae*,  
 71, 86; *Deweyanae*, 71, 76; *Digitatae*,  
 72, 79; *Extensae*, 73, 84; *Gracillimae*,  
 72, 73, 82; *Granulares*, 73, 81;  
*Griseae*, 73, 82; *Heleonastes*, 71, 75;  
*Hirtae*, 72, 85; *Laxiflorae*, 72, 80  
 81; *Limosae*, 73, 85; *Longirostres*  
 73, 83; *Lupulinae*, 72, 73, 88; *Mon-*  
*tanae*, 72, 78; *Multiflorae*, 71, 74  
*Oligocarphae*, 73, 82; *Ovales*, 71, 76

*Paludosae*, 72, 73, 87; *Panicaceae*, 72, 80; *Paniculatae*, 71, 75; *Phyllostachyaceae*, 71, 72, 78; *Polytrichoidae*, 71, 78; *Pseudo-Cypereae*, 73, 86; *Squarrosae*, 71, 73, 87; *Stellulatae*, 71, 76; *Sylvaticae*, 72, 73, 83; *Triquetrae*, 72, 80; *Vesicariae*, 73, 87; *Virescentes*, 72, 84; *Vulpinae*, 71, 75; *abditae*, 79; *adusta*, 231; *aenea*, 77, 78; *aestivalis*, 83, 360; *albolutescens*, 77; *albursina*, 80, 81; *alopecoidea*, 231; *amphibola*, 82, 356; var. *turgida*, 82; *annectens*, 74, 75; var. *xanthocarpa*, 75, 355; *aquatilis* var. *altior*, 86; *arctata*, 83, 307, 360; *argyrantha*, 77, 78, 360; *artitecta*, 78, 79, 355; *atherodes*, 87; *aurea*, 80; *Bebbii*, 76, 77; *Bicknellii*, 77; *blanda*, 81, 319, 355; *bracior*, 76, 77; *bromoides*, 76; *brunnescens*, 75; *bullata*, 231; *Bushii*, 84, 85; *Buxbaumii*, 85; *canescens*, 75, 76; var. *disjuncta*, 76, 290; *cephaloidea*, 74; *cephalophora*, 74, 355; *communis*, 78, 79, 307, 355; *comosa*, 87, 299, 352; *complanata*, 84, 85; *conoidea*, 82, 339, 356; *convoluta*, 74; *crinita*, 86, 299, 352; var. *gynandra*, 86; *cristatella*, 77, 78, 339, 356; *cryptolcpis*, 84, 301; *cumulata*, 77; *Davisii*, 83; *debilis*, 83, 231; var. *Rudgei*, 83; *Deweyana*, 76, 307; *diandra*, 75; *digitalis*, 80, 81, 355; *disperma*, 75; *eburnea*, 80, 320; *echinata*, 231; *Emonsii*, 78, 79; *flaccosperma* var. *glaucodea*, 82; *flava*, 84; var. *fertilis*, 84; *formosa*, 83; *glaucodea*, 82; *gracilescens*, 81, 356; *gracillima*, 72, 82, 83, 307, 352; *granularis*, 81, 82, 299, 339, 355; var. *Haleana*, 81; *Grayii*, 72, 88, 356; *gynandra*, 86; *Haleana*, 81; *hirsutella*, 84, 85, 352; *hirtifolia*, 80, 339, 355; *Hitchcockiana*, 82; *hystericina*, 87; *interior*, 76; *intumescens*, 88, 298, 352; *irrigua*, 231; *lacustris*, 87, 300; *laevivaginata*, 75; *lanuginosa*, 85, 339, 356; *lasiocarpa*, 85; var. *americana*, 85; *laxiculmis*, 80, 81, 360; *laxiflora*, 80, 81; var. *latifolia*, 81; *laxiflora patulifolia*, 307; *leptalea*, 78; *leptonervia*, 80, 81, 360; *limosa*, 85, 290; *lupuliformis*, 231; *lupulina*, 88, 299, 356; *lurida*, 88, 297, 299, 352; *molesta*, 76, 77; *Muhlenbergii*, 74; var. *enervis*, 231; *nigra*, 86; *normalis*, 76, 77; *novae-angliae*, 78, 79; *Oederi*, 84; *oligocarpa*, 82; *pallescens*, 84, 85, 355; var. *neogaea*, 85; *pedunculata*, 79, 360; *pensylvanica*, 78, 79, 304, 307, 323, 324, 330, 352; var. *lucorum*, 379; *plantaginea*, 80, 81, 379; *platyphylla*, 80, 81, 304, 319, 332, 352; *prairea*, 75; *prasina*, 73, 82, 83, 360; *projecta*, 77, 78; *Pseudo-Cyperus*, 87; *radiata*, 74, 360; *retroflexa*, 73, 74, 356; *retrorsa*, 88, 356; *rosea*, 74, 355; *rostrata*, 88, 355; *rugosperma*, 79; *scabrata*, 85, 348, 360; *Schweinitzii*, 87; *scoparia*, 76, 77, 299, 339, 352; *sparganioides*, 74, 356; *Sprengelii*, 83; *squarrosa*, 87, 356; *sterilis*, 231; *stipata*, 75, 299, 339, 352; *straminea*, 77; *stricta*, 86, 299, 352, 387; var. *strictior*, 86; *substricta*, 86; *Swanii*, 84, 85, 355; *tenera*, 76, 77; var. *major*, 231; *tetanica*, 80; *tonsa*, 79; *torta*, 86, 339, 360; *tribuloides*, 77, 356; *trichocarpa*, 87; *trisperma*, 75; *Tuckermani*, 88; *umbellata*, 79; *varia*, 307; *vesicaria*, 88, 300; *virescens*, 84, 85; *viridula*, 84; f. *intermedia*, 84; *vulpinoidea*, 75, 339, 352; *Willdenovii*, 78

carpetweed, 125  
 Carpetweed Family, 125  
*Carpinus*, 111; *caroliniana*, 111, 298, 312, 318, 352, 379, 380; var. *virginiana*, 111  
 carrion flower, 100  
 carrot, wild, 179  
 Carrot Family, 178  
*Carya*, 105, 106, 318; *amara*, 106; *cordiformis*, 106, 298, 357, 363 (map), 379, 380; *glabra*, 106, 303, 312, 317, 332, 347, 352, 369; *ovalis*, 106; *ovata*, 106, 303, 310, 317, 355, 369; *tomentosa*, 106, 357, 363 (map), 367  
*Caryophyllaceae*, 124, 125, 392  
 Cashew Family, 165  
*Cassia*, 154, 155; *hebecarpa*, 155, 278, 357, 363 (map); *nictitans*, 155, 333, 363



- Castanea*, 115; *dentata*, 115, 303, 307, 352, 376  
 catbrier, 101  
 cat-feet, 226  
 catnip, 197  
 cattail, 41, 277  
 Cattail Family, 41  
*Caulophyllum*, 134; *thalictroides*, 134, 308, 311, 332, 355, 379  
*Ceanothus*, 167, 168; *americanus*, 168, 355  
 celandine, 135  
*Celastraceae*, 166, 392  
*Celastrus*, 166; *scandens*, 166, 320, 331, 333, 353  
*Celtis*, 116, 117; *laevigata*, 380; *occidentalis*, 117, 330, 333, 356, 357, 358 (map), 363 (map), 367, 379; var. *crassifolia*, 232  
*Cenchrus*, 50, 64; *longispinus*, 64, 334  
*Centaurea*, 216, 231; *Jacea*, 231, 387, 390, 391; *maculosa*, 231, 387, 389-391  
*Cephalanthus*, 208; *occidentalis*, 208, 278, 355  
*Cerastium*, 125, 126; *arvense*, 126, 360; *nutans*, 126; *semidecandrum*, 232; *viscosum*, 232; *vulgatum*, 126, 387  
*Ceratophyllaceae*, 128, 392  
*Ceratophyllum*, 128; *demersum*, 128, 285, 286, 352  
*Cercis canadensis*, 367, 380  
*Chaenorrhinum*, 201, 204; *minus*, 204  
*Chamaecyparis thyoides*, 40  
*Chamaedaphne*, 183, 185, 290; *calyculata*, 185, 287 (illus.), 289  
*Chamaelirium*, 97; *luteum*, 97  
*Chara*, 285  
 Chase, Agnes, determinations by, 56, 63  
 cheeses, 169  
*Cheilanthes*, 377  
*Chelidonium*, 135; *majus*, 135  
*Chelone*, 201, 203; *glabra*, 203, 300, 353  
*Chenopodiaceae*, 122, 392  
*Chenopodium*, 122; *album*, 122, 123, 386; *ambrosioides*, 122, 123, 337; *Boscianum*, 232; *Botrys*, 122, 123, 337; *Foggii*, 123; *gigantospermum*, 122; *glaucum*, 122, 123; *hybridum* var. *gigantospermum*, 122  
 cherry, 154; bird, 154; black, 369, 375; choke, 154; dwarf, 154, 323; fire, 154, 323; wild black, 154  
 chess, 388  
 chestnut, 115, 303, 308, 367, 369, 375  
 chestnut blight fungus, 115, 303  
 chickweed, 126; mouse-ear, 126  
 chicory, 217  
*Chimaphila*, 182, 184; *maculata*, 184, 363 (map); *umbellata*, 184, 304, 308, 312, 360; var. *cisatlantica*, 184  
*Chiogenes*, 183, 189; *hispidula*, 187 (illus.), 189  
*Chlorideae*, 48, 50  
 chokeberry, black, 151; red, 151  
*Chrysanthemum*, 217, 229; *Leucanthemum*, 229, 387, 389; var. *pinnatifidum*, 229, 339  
*Chrysosplenium*, 141, 142; *americanum*, 142, 360  
*Cichorium*, 215, 217; *Intybus*, 217, 387, 389  
*Cicuta*, 179, 181; *bulbifera*, 181, 353; *maculata*, 181, 357  
*Cimicifuga*, 130, 131; *racemosa*, 131, 143 (illus.), 357, 363 (map)  
*Cinna*, 50, 58; *arundinacea*, 58, 298, 356, 363 (map); *latifolia*, 58, 298, 349, 360  
 cinquefoil, 324; common, 147; dwarf, 147; purple, 147; rough, 147; shrubby, 147; silvery, 147; sulphury, 391  
*Circaea*, 175, 177; *alpina*, 177, 308, 349, 359 (map), 360; *canadensis*, 177; *latifolia*, 380; *quadrisulcata*, 177, 312, 319, 353, 380; var. *canadensis*, 177  
*Cirsium*, 216, 230; *arvense*, 230, 231, 387, 389, 390; var. *integrifolium*, 231; *discolor*, 230, 231, 357; *muticum*, 230, 231, 300, 301, 356; *pumilum*, 230, 231, 356; *vulgare*, 230, 387  
*Cistaceae*, 171, 392  
*Cladium*, 65, 70; *mariscoides*, 70  
 clammyweed, 140  
*Claytonia*, 125; *caroliniana*, 125, 349, 360; *virginica*, 125  
 clearweed, 118  
 cleavers, 209  
*Clematis*, 130, 133; Section *Viorna*, 377; *verticillaris*, 133, 320, 323, 332; *virginiana*, 133, 299, 352  
 clematis, purple, 133

- cliff brake, purple, 34, 343  
 climax forest, 259, 293, 302, 305-308, 313-318, 366-381  
*Clintonia*, 96, 99; *borealis*, 99, 293, 306, 308, 324, 332, 344, 349, 359 (map), 360, 366 (map), 376, 378  
 clover, alsike, 156; hop, 156; rabbit-foot, 156; red, 156; sweet, 156; white, 156; yellow, 156  
 club-moss, 20  
 Club-moss Family, 25  
 Clute, W. N., cited, 9  
 cockle, 388  
 cocklebur, 219  
 cockspur thorn, 153  
 cohosh, blue, 134  
 Colebrook Forest, 375; description of, 306  
 Collier, Edward A., cited, 253, 255  
*Collinsia*, 197, 199; *canadensis*, 199, 312, 319, 353  
 coltsfoot, 230  
 Columbia County Area, Appalachian Revolution in, 234; clearing of forests, 256; climax forest, 259, 293, 366; distribution of soil types, 240 (map); distribution of species (maps), 350, 358, 359, 361; Dutch settlers, 253; "Eastern Hemlock Forest" in, 380; eastern part, plants of, 357; geological history, 233; geology (maps), 241, 242; glacial geology, 382; growing season, 249, 251; improved land, 256-259; Indians, 253; industry in, 254; iron mines, 254; lead mine, 254; location in New York State, 11 (map); native flora, distribution of, 373-381; original forests, 256, 259; political organization, 253-255; ponds, 281-284; post-glacial history of vegetation, 382; precipitation, 249-253; sawmills, 257; settlement, 253; Shakers in, 255; soils, Cossayuna, in orchards, 245; soils, Dutchess, abundant, 245; soils, Hoosic, in orchards, 243; soils, map of, 240; tabulation of flora, 371-375, 391-393; Taconic Revolution in, 234; temperature, 247-249, 251; topography, map of, 237; vegetation, 264; weed flora, 385  
 Columbia Falls, 81  
 columbine, wild, 131  
*Comandra*, 118; *umbellata*, 118, 355  
*Commelina*, 93; *communis*, 93  
*Commelinaceae*, 93, 391  
 common, defined, 21; species, listed, 351-354; tabulated, 372, 374-375  
*Compositae*, 215, 393  
*Comptonia*, 106; *peregrina*, 106, 305, 360, 388  
 coneflower, 227  
*Conioselinum*, 179, 180; *chinense*, 180, 301  
*Conium maculatum*, 232  
*Convolvulaceae*, 193, 392  
*Convolvulus*, 193, 194; *arvensis*, 194, 388; *repens*, 232; *sepium*, 194, 353, 386, 389; *spithameus*, 194  
 Cook, John H., cited, 235, 236  
 Cooper, William S., cited, 269, 382  
 Copake Iron Works, 254  
*Coptis*, 130; *groenlandica*, 130, 256, 293, 360, 376; *trifolia*, 308; *trifoliata*, 293  
*Corallorhiza*, 102; *maculata*, 103, 105, 319, 352; *odontorhiza*, 105; *trifida*, 105  
*Coreopsis*, 378  
 corn salad, 212, 213  
*Cornaceae*, 181, 392  
 corncockle, 127  
*Cornus*, 181, 300; *alternifolia*, 181, 182, 278, 304, 307, 355, 376; *Amomum*, 181, 278, 289, 298, 299, 301, 353; *canadensis*, 181, 182, 293, 324, 347, 360, 366 (map); *florida*, 181, 182, 304, 310, 312, 318, 331, 333, 357, 363 (map), 388; *racemosa*, 181, 182, 353, 388; *rugosa*, 181, 304, 320, 331, 332, 355; *stolonifera*, 181, 182, 289, 298, 299, 301, 353  
*Coronilla*, 155, 157; *varia*, 157  
*Corydalis*, 135, 136; *aurea*, 232; *sempervirens*, 136, 323, 360  
*Corylaceae*, 111  
*Corylus*, 111; *americana*, 111, 357, 363 (map), 380; *cornuta*, 111, 304, 349, 360; *rostrata*, 306  
 cotton grass, 67  
 cottonwood, 108  
 cow wheat, 206  
 cowslip, 130

- cranberry, highbush, 211; large, 189; small, 189  
 crane's-bill, 161  
*Crassulaceae*, 140, 392  
*Crataegus*, 145, 152; *chrysocarpa*, 152, 153; *Crus-galli*, 152, 153; *intricata*, 153; *macracantha*, 152, 153; *macrosperma*, 153, 353; var. *matura*, 153; *monogyna*, 152, 153; *succulenta*, 153; var. *macracantha*, 153  
 cress, water, 137; winter, 138  
*Crotalaria*, 154, 155; *sagittalis*, 155  
 crowfoot, 26, 132; white water, 132; yellow water, 133  
*Cruciferae*, 136, 392  
 Crugers' Island, gravelly beach, 279 (illus.); rocky cove, 272 (illus.); shore vegetation, 281  
*Cryptotaenia*, 179, 180; *canadensis*, 180, 319, 353  
 cucumber, bur, 213; one-seeded, 213; root, Indian, 100; tree, 129; wild, 213  
 Cucumber Family, 213  
*Cucurbitaceae*, 213, 393  
 Culver's root, 204  
*Cuphea*, 174; *petiolata*, 174, 357, 388  
*Cupressus distichus*, 231; *thyoides*, 40, 231  
 currant, red garden, 145; wild black, 145  
 Curtiss's triple-awned grass, 19  
*Cuscuta*, 193; *arvensis*, 232; *coryli*, 232; *epithymum*, 193; *Gronovii*, 193, 353, 387  
*Cycloloma*, 122, 123, 335 (illus.); *atriplicifolium*, 113 (illus.), 123, 334, 384  
*Cymbidium hyemale*, 232  
*Cynanchum*, 192, 193; *nigrum*, 193  
*Cynoglossum*, 194, 195; *officinale*, 195; *virginicum*, 232  
*Cyperaceae*, 64, 391, 397  
*Cyperus*, 64, 65; *dentatus*, 231; *dian-drus*, 65; *erythrorhizos*, 65; *esculentus*, 65, 354, 387; *fliculmis*, 65, 66, 330, 333, 356, 358 (map), 363 (map); var. *macilentus*, 66; *Houghtonii*, 65; *inflexus*, 65, 334, 337; *odoratus*, 65, 334; *rivularis*, 65, 281, 300, 352; *strigosus*, 65, 66, 337, 354, 387  
*Cypripedium*, 101, 102; *acaule*, 102, 308, 323, 349, 360, 376; *arietinum*, 231; *Calceolus*, 102, 310, 311, 355; var. *pubescens*, 102; *reginae*, 102  
*Cystopteris*, 30, 31; *bulbifera*, 31, 311, 320, 332; *fragilis*, 31, 320, 332, 343, 348, 354

## D

- Dactylis*, 49, 54; *glomerata*, 54, 387  
 daisy, ox-eye, 229  
*Dalibarda*, 146, 149, 378; *repens*, 149, 308, 376  
 dame's rocket, 138  
 Dana, James D., cited, 234, 238, 309  
 dandelion, 217; dwarf, 217; red-seeded, 217  
*Danthonia*, 49, 57; *compressa*, 57, 360; *spicata*, 57, 323, 324, 347, 352  
*Daphne*, 174; *Mezereum*, 174  
 darnel, 56  
*Datura*, 200, 201; *Stramonium*, 201, 386, 389  
*Daucus*, 178, 179; *Carota*, 179, 387, 389  
 day lily, 98  
 dayflower, Asiatic, 93  
*Decodon*, 174, 175, 290; *verticillatus*, 175, 287 (illus.), 289  
*Delphinium*, 377  
*Dennstaedtia*, 29; *punctilobula*, 29, 305, 354, 387  
*Dentaria*, 136, 139; *anomala*, 139; *diphylla*, 139, 252, 319, 352; *incisifolia*, 139; *laciniata*, 139, 319, 352; *maxima*, 139  
 Deptford pink, 128  
*Deschampsia*, 49, 57; *caespitosa*, 57; *flexuosa*, 57, 323, 324, 347, 354  
*Desmodium*, 154, 157; *canadense*, 157, 357; *cuspidatum*, 157; *glutinosum*, 157, 312, 319, 353; *marilandicum*, 232; *nudiflorum*, 157, 312, 319, 353; *obtusum*, 232; *paniculatum*, 157; *perplexum*, 157; *rotundifolium*, 157  
*Deutzia*, 141, 142; *scabra*, 142  
 dewberry, 150, 389  
 Dewey, Chester, cited, 233, 390

- Dianthus*, 126, 128; *Armeria*, 128  
*Dicentra*, 135; *canadensis*, 135; *Cucularia*, 135, 252  
*Dicksonia punctilobula*, 308  
*Dicksoniaceae*, 29, 391  
*Dicotyledoneae*, 105  
*Dicranum*, 321  
*Diervilla*, 210, 212; *Lonicera*, 212, 304, 323, 353  
*Digitaria*, 51, 61; *sanguinalis*, 61, 334, 386, 389  
*Dioscorea*, 101; *villosa*, 101  
*Dioscoreaceae*, 101, 392  
*Diospyros*, 378  
*Dipsacaceae*, 213, 393  
*Dipsacus*, 213; *sylvestris*, 213, 387  
*Dirca*, 174; *palustris*, 174, 310, 318, 343, 355  
*Disporum*, 377  
dock, 119; broad-leaved, 119; curly, 119; great water, 119; swamp, 119  
*Dodecatheon*, 378  
dodder, 193; European, 193  
dogbane, 192  
Dogbane Family, 192  
dogberry, 99, 360  
dogwood, 278, 320, 339; dwarf, 182; flowering, 182, 304, 318; gray-twig, 182; red-twig, 182; silky, 181  
Dogwood Family, 181  
Douglas, Edward M., cited, 282, 283  
dragon-head, 197  
*Drosera*, 140; *intermedia*, 140; *rotundifolia*, 140, 290, 301  
*Droseraceae*, 140, 392  
dry rocky woods, described, 304  
*Dryopteris*, 30, 31;  $\times$  *Boottii*, 31, 33; *Clintoniana*, 31, 32; *cristata*, 31-33, 290, 298, 354; var. *Clintoniana*, 32; *disjuncta*, 31, 32, 348, 349, 360, 366 (map); *Goldiana*, 31, 32, 35 (illus.), 311; *hexagonoptera*, 31, 32, 356; *intermedia*, 32, 33, 36 (illus.), 344, 354, 379; *marginalis*, 31, 32, 311, 319, 321, 332, 343, 344, 351; *noveboracensis*, 31, 32, 354, 376; *Phegopteris*, 31, 32, 348, 349, 360; *simulata*, 31, 32, 35 (illus.); *spinulosa*, 32, 33, 290, 298, 360, 376; var. *intermedia*, 33; *Thelypteris*, 31, 32, 289, 351; var. *pubescens*, 32  
duckweed, large, 92  
Duckweed Family, 92  
*Dulichium*, 64, 70; *arundinaceum*, 70, 297, 354  
Dutchman's breeches, 135, 252  
Dyal, Sarah, cited, 212

## E

- Eames, Arthur J., cited, 19, 29, 235  
Eastern Hemlock Forest, 369-381; characteristic species, 375-376; map, 370  
Eaton, Amos, species reported by, 94, 128, 145; work of, 260  
*Echinochloa*, 51, 63; *crusgalli*, 63, 352, 386, 387, 389; var. *frumentacea*, 63; *frumentacea*, 63; *Walteri*, 63  
*Echinocystis*, 213; *lobata*, 213, 339, 357  
*Echium*, 194, 195; *vulgare*, 195, 337, 387, 390  
eelgrass, 48, 388  
Eggleston, W. W., determination by, 153  
*Elatinaceae*, 170, 392  
*Elatine*, 170; *americana*, 170; *minima*, 170; *triandra* var. *americana*, 170, 274  
elder, red berried, 210  
elderberry, 210  
elecampane, 227  
*Eleocharis*, 64, 66, 299; *acicularis*, 66, 354; *calva*, 66, 67, 297, 354; *diandra*, 67; *elliptica*, 66, 67, 354; *Engelmanni*, 66, 67; *intermedia*, 66, 67, 300, 301; *obtusata*, 66, 67, 299, 352; *olivacea*, 66, 67; *ovata*, 66, 67, 281; *palustris*, 66, 67; var. *major*, 67; *Robbinsii*, 231; *Smallii*, 66, 67; *tenuis*, 66, 67  
*Eleusine indica*, 232  
elm, 117; American, 117, 281, 290, 298, 300, 339, 340; cork, 117; slippery, 117; white, 117  
*Elodea canadensis*, 47; *Nuttallii*, 48  
*Elymus*, 49, 55; *australis* var. *glabriflorus*, 56; *canadensis*, 55, 56, 333, 356; *riparius*, 55, 56, 339, 354; *villosus*, 55, 56, 339, 356; *virginicus*, 55,

56, 339, 352; var. *glabriflorus*, 55, 56;  
f. *hirsutiglumis*, 55, 56; *Wiegandii*,  
55, 56, 339, 356  
enchanter's nightshade, 177  
*Endothia parasitica*, 115  
Engelmann, George, determinations by,  
262  
*Enteromorpha intestinalis*, 272  
*Epifagus*, 206, 207; *virginiana*, 207, 308,  
355, 376  
*Epigaea*, 183, 185; *repens*, 103, 185, 304,  
323, 347, 360  
*Epilobium*, 175; *angustifolium*, 175, 176,  
360; *coloratum*, 176, 299, 353; *glan-  
dulosum*, 176, 299, 353; var. *adeno-  
caulon*, 176; *hirsutum*, 175, 176;  
*leptophyllum*, 176, 299, 353; *palustre*,  
176, 232; var. *oliganthum*, 176; *stric-  
tum*, 176  
*Epipactis*, 102, 104; *Helleborine*, 104;  
*pubescens*, 308  
*Equisetaceae*, 27, 391  
*Equisetum*, 27; *arvense*, 27, 351, 387;  
*fluviatile*, 127, 274, 277; *hyemale*, 27,  
354, 387; var. *affine*, 27; *sylvaticum*,  
27; var. *pauciramosum*, 27  
*Eragrostis*, 49, 54; *capillaris*, 54, 354;  
*cilianensis*, 54, 386; *Frankii*, 54; *hyp-  
noides*, 54; *megastachya*, 54; *multi-  
caulis*, 54; *pectinacea*, 54, 334, 335  
(illus.), 352, 387, 389; *poaeoides*, 54;  
*spectabilis*, 54  
*Erechtites*, 216, 230; *hieracifolia*, 230,  
305, 356  
*Ericaceae*, 182, 392  
*Ericoideae*, 182, 183

*Erigenia*, 378  
*Erigeron*, 216, 225; *annuus*, 225, 354,  
387; *canadensis*, 225, 354, 386, 389;  
*philadelphicus*, 225, 355; *pulchellus*,  
225, 355; *strigosus*, 225, 354, 387  
*Eriocaulaceae*, 93, 391  
*Eriocaulon*, 93; *Parkeri*, 93, 274; *sept-  
angulare*, 93, 290, 355  
*Eriophorum*, 64, 67; *gracile*, 67, 68;  
*polystachyon* var. *paucinervium*, 231;  
*spissum*, 67, 68; *virginicum*, 68, 290,  
292 (illus.), 381; *viridi-carinatum*,  
67, 68, 107, 290, 301, 355  
*Erysimum*, 136, 138; *cheiranthoides*,  
138  
*Erythronium*, 96, 98; *americanum*, 98,  
319, 339, 352  
Esten, Mabel M., cited, 380  
*Euonymus*, 378; *atropurpureus*, 380  
*Eupatorium*, 216, 219; *fistulosum*, 220,  
357; *maculatum*, 219, 220, 300, 339,  
354; *perfoliatum*, 219, 220, 300, 354;  
*purpureum*, 220, 319, 354; *rugosum*,  
219, 220, 312, 319, 354; *sessilifolium*,  
219, 220  
*Euphorbia*, 164; *corollata*, 164; *Cy-  
parissias*, 164, 165, 387, 390; *dentata*,  
164, 165; f. *cuphosperma*, 165; *Esula*,  
165; *maculata*, 164, 357, 388; *mar-  
ginata*, 164; *supina*, 164; *vermiculata*,  
164, 353, 388; *virgata*, 164, 165  
*Euphorbiaceae*, 164, 392  
evening primrose, 176  
Evening Primrose Family, 175  
everlasting, pearly, 226; sweet, 226, 227

## F

*Fagaceae*, 115, 392  
*Fagopyrum*, 118, 122; *sagittatum*, 122  
*Fagus*, 115, 380; *grandifolia*, 115, 303,  
307, 312, 317, 352, 368, 369, 376, 378  
Faigenbaum, H. M., cited, 270, 273, 283  
Fairchild, Herman L., cited, 236  
false mermaid, 163  
False Mermaid Family, 163  
Fassett, N. C., cited, 121, 229  
fern, bladder, 31; brittle, 31, broad  
beech, 32; chain, 33; Christmas, 31;  
cinnamon, 28; evergreen wood, 32;

Goldie's, 32; grape, 28; hay-scented,  
29; interrupted, 28; long beech, 32;  
maiden-hair, 34; marsh, 32, 289; New  
York, 32; oak, 32; ostrich, 30; rattle-  
snake, 28; royal, 28; sensitive, 30;  
walking, 33  
Fernald, M. L., cited, 23, 29, 45, 62, 63,  
219, 369; opinion cited, 24, 45  
*Festuca*, 49, 52; *elatior*, 52, 339; *nutans*,  
307; *obtusata*, 52, 310, 311, 332, 351;  
*ovina*, 52; *rubra*, 52; *tenella*, 232  
*Festuceae*, 48, 49



Figwort Family, 201  
*Fimbristylis*, 64, 67; *autumnalis*, 67, 294  
 fir, balsam, 40, 369, 376  
 fireweed, 176, 225, 230, 305  
 Fisher, John C., acknowledgment to, 247  
 flag, blue, 101  
 Flat Brook, valley of, described, 239; illustrated, 296  
 flax, 162  
 Flax Family, 162  
 fleabane, 225  
 floating heart, 192  
*Floerkea*, 163; *proserpinacoides*, 163  
 flood plains, plants of, 294, 338  
 flower of an hour, 169  
 forget-me-not, 195  
 Four-O'clock Family, 124  
 Fowlers' Lake, 280 (illus.)

foxtglove, downy false, 205; smooth false, 205  
*Fragaria*, 146, 147; *vesca*, 147, 355; var. *americana*, 147, 148; *virginiana*, 147, 353  
*Fraxinus*, 190; *americana*, 190, 259, 278, 289, 303, 307, 310, 312, 317, 318, 333, 340, 353, 369, 376, 378; *lanceolata*, 380; *nigra*, 190, 278, 289, 298, 355; *pennsylvanica*, 190, 278, 357, 363 (map); var. *subintegerrima*, 380  
 French, J. H., cited, 253, 254, 255  
 frequent, defined, 21; list of species so designated, 354; tabulation of species so designated, 372, 374, 375  
 Frog's-bit Family, 47  
 frostweed, 171  
*Fumaria officinalis*, 232  
*Fumariaceae*, 135, 392  
*Fumitory* Family, 135

## G

*Galeopsis*, 196, 198; *Tetrahit*, 198  
*Galinsoga*, 216, 229, 389; *ciliata*, 229, 337, 386, 390, 391; *parviflora*, 229  
*Galium*, 207, 208; *Aparine*, 208, 209, 357, 379; *asprellum*, 209, 210, 300, 355; *boreale*, 208, 209; *circaezans*, 208, 209, 310, 312, 353; var. *hypomalacum*, 209; *labradoricum*, 209, 301; *lanceolatum*, 208, 209, 355; *Mollugo*, 209, 387, 389-391; *obtusum*, 209, 319; *palustre*, 209, 210; *pilosum*, 208, 209, 333; *tinctorium*, 209, 210, 361; *trifidum*, 209, 361; *triflorum*, 208, 209, 353; *verum*, 209  
 garlic, 98  
*Gaultheria*, 183, 185, 189, 378; *procumbens*, 185, 304, 308, 323, 360, 376  
*Gaura*, 175, 177; *biennis*, 177, 278  
*Gaylussacia*, 183, 186, 290, 312, 348; *baccata*, 118, 186, 289, 304, 308, 322, 324, 347, 361  
 gentian, closed, 191; fringed, 191  
 Gentian Family, 190  
*Gentiana*, 190, 191; *Andrewsii*, 191, 278, 357; *clausa*, 191, 348, 361; *crinita*, 191; *quinquefolia*, 191, 349, 361  
*Gentianaceae*, 190, 392

*Geraniaceae*, 161, 392  
*Geranium*, 161; *Bicknelli*, 161; *carolinianum*, 232; *maculatum*, 161, 310, 311, 319, 353; *Robertianum*, 161, 311  
 geranium, wild, 161  
 Geranium Family, 161  
*Gerardia*, 201, 205; *paupercula*, 205, 300; *purpurea*, 205, 232; *tenuifolia*, 205, 357  
*Geum*, 146, 148; *aleppicum*, 148, 149, 355; var. *strictum*, 149; *canadense*, 148, 149, 353, 380; *laciniatum*, 148, 149, 353; *rivale*, 148, 149, 301  
*Gillenia*, 377  
 ginger, wild, 118  
 ginseng, 178, 343; dwarf, 178  
 Ginseng Family, 177  
 glacial-till soils, plants of, 302  
*Glechoma hederacea*, 197  
*Gleditsia*, 154, 155, 378; *triacanthos*, 155, 367  
*Glyceria*, 49, 52; *acutiflora*, 52; *borealis*, 52; *canadensis*, 52, 53, 354; *Fernaldii*, 52, 53, 294; *fluitans*, 231; *grandis*, 52, 53, 352; *melicaria*, 52, 352; *pallida*, 52, 53, 354; *septentrionalis*, 52; *striata*, 52, 53, 352



- Gnaphalium*, 215, 226; *Macounii*, 226, 227; *obtusifolium*, 226, 354; *purpureum*, 232; *uliginosum*, 226, 227, 356  
goat's beard, 217; goatsbeard, false, 142  
golden glow, 227  
goldenclub, 92  
goldenrod, 220, 330, 386; blue-stemmed, 221; early, 222; field, 223; gray, 223; narrow-leaved, 223; rough-leaved, 222; tall, 222; white, 222  
goldenseal, 130  
Goldring, Winifred, acknowledgment to, 242; work of, 264  
goldthread, 130  
*Goodyera*, 102, 104; *pubescens*, 104  
goose grass, 209  
gooseberry, swamp, 142; wild, 142  
Goosefoot Family, 122  
Gordinier, H. C., & Howe, E. C., cited, 103, 126, 128, 167, 175, 261  
Gordon, Thomas F., cited, 257  
Grabau, Amadeus W., cited, 234  
*Gramineae*, 19, 48, 262, 391; arrangement of, 19  
grape, 168, 281; fox, 168; frost, 168; summer, 168  
Grape Family, 168  
grass, autumn bent, 58; barnyard, 63; bent, 58; bluestem, 64; bottle-brush, 56; brome, 51; Canada blue, 53; canary, 61; colonial bent, 58; cord, 60; crab, 61; fescue, 52; foxtail, 58, 64; grama, 60; hair, 57; Kentucky blue, 53; love, 54; manna, 52; millet, 60; oat, 57; orchard, 54; panic, 61; poverty, 60; purple oat, 55; quack, 55; rattlesnake, 53; reedtop, 58; reed, 54; ribbon, 61; rice, 60; sand, 55; saw, 61; sweet vernal, 60; tall oat, 57; tickle, 58; timothy, 58; witch, 63  
Grass Family, 48  
grass of Parnassus, 141  
grassland community, 324  
*Gratiola*, 201, 202; *neglecta*, 202, 299, 353  
gravel bars, plants of, 333  
Graves, Charles Burr, *et al.*, cited, 389  
Gray, Asa, cited, 262; determinations by, 262  
Gray's Manual, cited, 20, 23, 24, 42, 58, 111, 116, 124, 135, 140, 182, 189, 214  
green dragon, 91  
greenbrier, 101  
ground cherry, 200; ivy, 197; pine, 25, 26  
groundsel, 230  
gum, black, 182, 291 (illus.); sweet, 145  
*Gymnocladus*, 378; *dioica*, 367  
*Gymnospermae*, 39

## H

- Habenaria*, 102, 103; *Blephariglottis*, 103; *bracteata*, 231; *clavellata*, 103; *fimbriata*, 103, 231; *Hookeri*, 103; *hyperborea*, 103; *lacera*, 103, 355; *macrophylla*, 307, 308; *orbiculata*, 231; *psycodes*, 90 (illus.), 103, 298, 352; *virescens*, 232; *viridis* var. *bracteata*, 232  
hackberry, 117, 330, 356  
*Hackelia*, 194, 195; *virginiana*, 195, 357  
Hall, James, cited, 261  
*Haloragidaceae*, 177, 392  
*Hamamelidaceae*, 145, 392  
*Hamamelis*, 145; *virginiana*, 145, 304, 307, 312, 317, 318, 347, 353, 375, 376  
harebell, 213  
Harlem Valley, defined, 238; species characteristic of, 356  
Harrietta Falls, 60  
Harrison, Arthur K., cited, 263; species reported from Lebanon Springs by, 40, 106, 111, 117, 129, 212  
hawkweed, 218, 391; orange, 218  
hawthorn, 152; European, 153  
hazelnut, 111  
heal-all, 197  
Heart's Content (forest), 375  
Heath Family, 182  
*Hedeoma*, 196, 198; *pulegioides*, 198, 353  
*Helenium*, 217, 229; *autumnale*, 229, 274, 337, 357, 363 (map)

- Helianthemum*, 171; *Bicknellii*, 171; *canadense*, 171  
*Helianthus*, 216, 227; *decapetalus*, 227, 228, 356; *divaricatus*, 227, 228, 323, 354; *grosseserratus*, 227; *salicifolius*, 227; *strumosus*, 227, 228; *tuberosus*, 227, 228, 386, 389  
*Heliopsis*, 217, 227; *helianthoides*, 227, 278, 357, 363 (map)  
 hellebore, American white, 97  
*Hemerocallis*, 96, 98; *fulva*, 98  
*Hemianthus*, 201, 202; *micranthemoides*, 202, 274  
 hemlock, 40, 259, 305, 306, 310, 317, 322, 330, 341 (illus.), 343, 344, 347, 348, 350 (map), 351, 367-369, 375  
 hemp nettle, 198  
 henbit, 198  
 Hendrick, Cornelius, map by, 253  
*Hepatica*, 130, 131; *acutiloba*, 131, 311; *americana*, 131, 252, 304, 310, 312, 319, 352  
 hepatica, 131, 252  
*Heracleum*, 178, 180; *lanatum*, 180; *maximum*, 180  
 herb Robert, 161  
 herbaria, citation of, 22, 263  
 Hermann, F. J., acknowledgment to, 71; determination by, 86; opinion cited, 118  
*Hesperis*, 137, 138; *matronalis*, 138  
*Heteranthera*, 93; *dubia*, 93, 94, 274, 355; *reniformis*, 89 (illus.), 93, 94, 274  
*Heuchera*, 377  
*Hibiscus*, 169; *palustris*, 169; *Trionum*, 169, 386  
 hickory, 106, 308, 317, 347, 367, 369; mockernut, 106; pignut, 106; shagbark, 106; swamp, 106, 298  
*Hieracium*, 215, 218; *aurantiacum*, 218, 387, 390, 391; *canadense*, 218; *florentinum*, 218, 387, 390; *Gronovii*, 232; *paniculatum*, 218, 304, 323, 354; *Pilosella*, 218; *pratense*, 218, 387, 390, 391; *scabrum*, 218; *venosum*, 118, 218, 354  
*Hierochloë*, 50, 60; *odorata*, 60, 152  
 hillsides, plants of, 338  
*Hippuris vulgaris*, 232  
 Hitchcock, A. S., cited, 19, 62, 63  
 Hitchcock, Edward, cited, 344  
 hobble bush, 211, 308, 347  
 Hoffmann, Ralph, cited, 263, 390, 391; species reported by, 65, 126  
 hog peanut, 159 (illus.), 161  
*Holcus lanatus*, 232  
 holly, 166; mountain, 166  
 Holly Family, 166  
 honewort, 180  
 honeysuckle, 212; bush, 212; fly, 343; Tartarian, 212  
 Honeysuckle Family, 210  
 hop, 117; clover, 156; hornbeam, 111, 304, 310  
*Hordeae*, 48, 49  
*Hordeum*, 49, 56; *jubatum*, 56  
 hornbeam, 111; hop, 111, 304, 310  
 hornwort, 128, 286  
 Hornwort Family, 128  
 horse gentian, 211; nettle, 200  
 horseradish, 137  
 horsetail, common, 27; field, 27; swamp, 27; wood, 27  
 Horsetail Family, 27  
 horseweed, 225, 389  
 Hotaling Island, 271 (illus.); description of, 278  
 Hotchkiss, Neil, cited, 9  
 hound's tongue, 195  
 House, Homer D., acknowledgment to, 23; cited, 9, 16, 19, 33, 116, 118, 128, 131, 150, 175, 180, 192, 198, 263, 264; Columbia County reports in "Annotated List" (1924), 25, 27, 44, 77, 107, 117, 139, 153, 183, 198, 205, 224; death of, 23; determination by, 194; opinion cited, 56  
 House, H. D., & Alexander, W. P., cited, 9  
*Houstonia*, 208; *caerulea*, 208, 361; *longifolia*, 208  
 Howe, E. C., 261; species reported by, 213  
 Howe, Frank B., cited, 364, 365  
 Hoysradt, Lyman H., 17; cited, 15, 16, 255, 390; species reported in his flora of Pine Plains (1875-79), 27, 40, 44, 56, 57, 62, 67, 69, 70, 75, 78, 79, 81, 86, 91, 93, 96, 97, 99, 102, 104-106, 110, 114, 117, 123, 126-128, 131, 135, 138, 142, 147, 157, 158, 161, 166, 171,

175, 180, 184, 189, 191, 193, 197, 198,  
205, 206, 213, 220, 222, 223, 230, 232;  
work of, 261-263  
huckleberry, 189, 322; black, 186  
Hudson, South Bay at, 279 (illus.)  
Hudson, Henry, 253  
Hudson River, 271 (illus.); "bays" in,  
277; concentration of chlorides in,  
273; halophytes in, 273; plants of,  
270, 361; ravines bordering, 340;  
zonation of vegetation in, 274-281  
Hudson Valley, defined, 237; species  
characteristic of, 356  
*Humulus*, 116, 117; *Lupulus*, 117  
*Hybanthus*, 171; *concolor*, 171  
*Hydrangea*, 377; *arborescens*, 367  
hydrarch successional series, 270, 302  
*Hydrastis*, 130; *canadensis*, 130, 214  
*Hydrocharitaceae*, 47, 391  
*Hydrocotyle*, 178, 181; *americana*, 181,  
353  
*Hydrophyllaceae*, 194, 392  
*Hydrophyllum*, 194; *canadense*, 194;  
*virginianum*, 194, 311  
*Hyoseris amplexicaulis*, 232  
*Hypericaceae*, 169, 392  
*Hypericum*, 169; *boreale*, 170, 294;  
*canadense*, 232; *ellipticum*, 169, 170;  
*gentianoides*, 169, 170, 357; *majus*,  
170; *mutilum*, 170, 299, 353; *perfora-*  
*tum*, 169, 170, 387, 389; *punctatum*,  
169, 170, 353; *pyramidatum*, 169, 170,  
357, 363 (map); *virginicum*, 170,  
299, 301, 353; var. *Fraseri*, 170  
*Hypoxis*, 101; *hirsuta*, 101, 355  
*Hystrix*, 49, 56; *patula*, 56, 310, 323,  
352

## I

*Ilex*, 166; *laevigata*, 166, 232; *montana*,  
166; var. *mollis*, 166; *verticillata*,  
166, 298, 355  
*Illecebraceae*, 124, 392  
*Impatiens*, 162; *capensis*, 162, 298, 353;  
*pallida*, 162  
Indian cucumber root, 100; hemp, 192;  
pipe, 183; tobacco, 215, 226, 386; tur-  
nip, 91  
Indians, in Columbia County, 253  
indigo, wild, 155  
*Indigofera tinctoria*, 232  
International Code of Botanical No-  
menclature, cited, 23, 24  
*Inula*, 216, 227; *Helenium*, 227, 387  
*Ipomoea purpurea*, 232  
*Iridaceae*, 101, 392  
*Iris*, 101; *versicolor*, 101, 107, 297, 301,  
352  
iris, wild, 101  
Iris Family, 101  
ironweed, 219  
ironwood, 111, 298  
*Isanthus*, 196, 197; *brachiatus*, 197, 333,  
363 (map)  
*Isoetaceae*, 26, 391  
*Isoetes*, 26; *echinospora*, 26, 354; var.  
*Braunii*, 26; var. *muricata*, 26;  
*Engelmanni*, 26, 27; *muricata*, 26;  
*riparia*, 26, 274, 281, 294  
*Isopyrum*, 377  
*Isotria*, 102, 103; *verticillata*, 103  
*Iva*, 215, 219; *xanthifolia*, 219  
*Ixia chinensis*, 231

## J

jack-in-the-pulpit, 91  
Jansen, Roeliff, 253  
*Jeffersonia*, 377  
Jenkins, John P., cited, 234  
Jerusalem artichoke, 228  
jewelweed, 162  
Jewelweed Family, 162  
Jimson weed, 201  
Joe Pye weed, 219  
Jones, G. N., cited, 152  
*Juglandaceae*, 105, 392  
*Juglans*, 105; *cinerea*, 105, 298, 352;  
*nigra*, 105  
*Juncaceae*, 94, 299, 392

*Juncaginaceae*, 46, 391

*Juncus*, 94, 262, 263; *acuminatus*, 95, 96, 337, 352; *articulatus*, 95, 96; *brachycephalus*, 95, 96, 300, 355; *bre-vicaudatus*, 95, 96, 355; *bufonius*, 94, 95, 387; *canadensis*, 95, 96, 355; *dif-fusissimus*, 95; *Dudleyi*, 95; *effusus*, 297, 299, 352, 387; var. *Pylaei*, 94, 95; var. *solutus*, 94, 95; *Gerardi*, 20, 94, 95, 273; *Greenei*, 94, 95; *marginatus*, 94, 95, 355; *nodosus*, 95, 96, 355; *pelocarpus*, 95, 96; *secundus*, 94, 95, 355; *tenuis*, 94, 95, 352, 387; var. *Dudleyi*, 94, 95, 355

*juniper*, 40, 310, 317, 330, 356; bush, 40; low, 40

*Juniperus*, 39, 40; *communis*, 40; var. *depressa*, 40; *virginiana*, 40, 308, 317, 330, 333, 356, 358 (map), 363 (map); var. *crebra*, 40

## K

Kalm, Pehr, in eastern New York, 260, 278; species reported by, 278, 281

*Kalmia*, 183, 185, 347; *angustifolia*, 185, 290, 355; *latifolia*, 185, 307, 321, 322, 347, 360; *polifolia*, 185, 290

Kentucky blue grass, 53

king devil, 218

knapeed, 231, 391

knawel, 124

Knickerbocker Lake, described, 285

knotweed, 120

Knotwort Family, 124

Knowlton, C. H., cited, 263; species reported by, 59, 75, 76, 81, 110, 173

*Kochia*, 122, 123; *scoparia*, 123

*Krigia*, 215, 217; *virginica*, 217, 357, 363 (map)

## L

*Labiatae*, 196, 392

Labrador tea, 184

*Lactuca*, 215, 218; *biennis*, 218, 356; *canadensis*, 218, 356

lady's slipper, pink, 102; showy, 102; yellow, 102

"Lake Forest," in Columbia County area, 368

lake-swamp habitat (illus.), 280, 287, 288, 291

lakes, changes in level of, 282; described, 281-284; plant-succession in, 284-293; swamp-forest at, 293

*Lamium*, 196, 198; *amplexicaule*, 198, 388

Lanjouw, J., cited, 22

*Laportea*, 117, 118; *canadensis*, 118, 298, 332, 343, 348, 355, 380

*Lappula*, 194, 195; *echinata*, 195

larch, 39, 377; American, 39, 290, 292 (illus.); European, 39

*Larix*, 39; *decidua*, 39; *laricina*, 39, 107, 290, 301

Larsen, J. A., cited, 293

*Lathyrus*, 155, 161; *palustris*, 161; var. *myrtifolius*, 161, 278

*Lauraceae*, 134, 392

laurel, mountain, 185, 322; sheep, 185; swamp, 185

Laurel Family, 134

Lawrence, Garrett, 260

leatherleaf, 185

leatherwood, 174, 318, 343

*Lechea*, 171; *intermedia*, 171, 353; *Leggettii*, 171; *villosa*, 171

*Ledum*, 183, 184; *groenlandicum*, 184

Lee, Charles A., cited, 255

Lee, Mother Ann, 255

leek, wild, 98

*Leersia*, 50, 61; *oryzoides*, 61, 352; *virginica*, 61, 352

*Leguminosae*, 154, 392

*Lemna*, 92; *minor*, 92, 352; *perpusilla*, 231; *trislca*, 92

*Lemnaceae*, 92, 391

*Lentibulariaceae*, 206, 392

- Leonurus*, 196, 198; *Cardiaca*, 198, 388  
*Lepidium*, 136, 137; *campestre*, 137;  
*virginicum*, 137, 352, 386  
*Lespedeza*, 154, 158; *capitata*, 158, 357;  
*hirta*, 158; *intermedia*, 158, 353; *Nut-*  
*tallii*, 158; *procumbens*, 158; *violacea*,  
158; *virginica*, 158, 333  
lettuce, blue, 218; wild, 218  
*Leucanthemum Parthenium*, 232  
*Leucobryum*, 321  
*Levisticum officinale*, 232  
Lewis, H. G., & Kinsman, D. F., cited,  
239, 243-246, 257, 270, 297, 302, 338  
*Liatris*, 378  
lichens, 320, 324, 326 (illus.), 344  
*Ligustrum*, 190; *vulgare*, 190  
lilac, 190  
*Lilaeopsis chinensis*, 273  
*Liliaceae*, 96, 392  
*Lilium*, 97, 98; *canadense*, 98, 299, 339,  
352, 363 (map); *philadelphicum*, 98,  
324, 349, 360; *superbum*, 231  
lily, 98; canada, 98; day, 98; meadow,  
98; of the valley, false, 99; trout, 98;  
wood, 98  
Lily Family, 96  
lime-containing soils in New York,  
map, 365  
limestone, in Columbia County area, 309  
*Limnanthaceae*, 163, 392  
*Limosella*, 201, 202; *subulata*, 202, 274  
*Linaceae*, 162, 392  
*Linaria*, 201, 203; *canadensis*, 203; *vul-*  
*garis*, 203, 386  
linden, American, 168  
Linden Family, 168  
*Lindera*, 134, 135; *Benzoin*, 135, 289,  
298, 352, 379, 380  
*Lindernia*, 201, 202; *dubia*, 202, 299;  
ssp. *dubia*, 202; var. *inundata*, 202,  
274, 281; ssp. *major*, 202, 357; var.  
*riparia*, 202  
*Linnaea*, 377  
*Linum*, 162; *sulcatum*, 162, 384; *usita-*  
*tissimum*, 232; *virginianum*, 162  
lion's foot, 219  
*Liparis*, 102, 105; *lilifolia*, 105; *Loeselii*,  
105, 355  
*Liquidambar*, 145; *Styraciflua*, 145, 380  
*Liriodendron*, 129; *Tulipifera*, 129, 357,  
363 (map), 367, 379, 380  
*Lithospermum*, 195; *officinale*, 195  
live-forever, 141  
Livingston family, 260; manor, 253  
Livingston, B. E., & Shreve, Forrest,  
cited, 366  
*Lobelia*, 214; *Cardinalis*, 214, 278, 281,  
357; *Dortmanna*, 214; *inflata*, 214,  
215, 354, 386, 388; *Kalmii*, 70, 143  
(illus.), 214, 215, 300; *siphilitica*, 214,  
357, 363 (map); *spicata*, 214, 215,  
339, 354, 388; var. *campanulata*, 214,  
215  
Lobelia Family, 214  
*Lobeliaceae*, 214, 393  
locust, black, 156; clammy, 156; honey,  
155  
*Lolium*, 49, 56; *multiflorum*, 56;  
*perenne*, 56  
*Lonicera*, 210, 212; *canadensis*, 212, 306,  
307, 343, 344, 361, 376, 379; *dioica*,  
212, 354; *hirsuta*, 212; *tatarica*, 212;  
*villosa*, 212; var. *tonsa*, 212  
loosestrife, fringed, 189; purple, 175,  
391; swamp, 189; tufted, 189;  
whorled, 189  
Loosestrife Family, 174  
*Lophanthus nepetoides*, 232  
*Lophotocarpus*, 46; *spongiosus*, 46  
lopseed, 207  
Lopseed Family, 207  
*Loranthaceae*, 118, 392  
*Lotus*, 154, 156; *corniculatus*, 156, 356,  
359 (map), 390, 391  
lousewort, 205  
love-vine, 193  
*Ludwigia*, 175; *alternifolia*, 175, 363  
(map); *palustris*, 175, 353; var.  
*americana*, 175  
lupine, wild, 155  
*Lupinus*, 154, 155; *perennis*, 155  
Lutz, H. J., cited, 375  
*Luzula*, 94, 96; *acuminata*, 96; *caro-*  
*linae*, 96, 349, 360; var. *saluensis*,  
96, 103; *multiflora*, 96, 339, 352  
*Lychnis*, 125, 127; *alba*, 127, 387, 390;  
*Flosculi*, 127  
*Lycium*, 200; *halimifolium*, 200  
*Lycopersicon esculentum*, 200  
*Lycopodiaceae*, 25, 391



- Lycopodium*, 25, 378, 379; *annotinum*, 25, 306, 360, 366 (map); var. *acrifolium*, 25; *clavatum*, 25, 299, 304, 308, 360; var. *megastachyon*, 25; f. *sterile*, 25; *complanatum*, 25, 26, 308, 354; var. *flabelliforme*, 26, 299, 304, 312; *inundatum*, 25; *lucidulum*, 25, 299, 306, 307, 332, 354, 376; *obscurum*, 25, 304, 307, 351, 376; var. *dendroideum*, 25; *tristachyum*, 25, 26, 360  
*Lycopus*, 197, 199; *americanus*, 199, 353; *rubellus*, 232; *uniflorus*, 199, 355; *virginicus*, 199  
*Lyonia*, 183, 185, 290; *ligustrina*, 185, 289, 360  
*Lysimachia*, 189; *ciliata*, 189, 300, 339, 353; *lanceolata*, 232; *Nummularia*, 189; *quadrifolia*, 189, 304, 312, 323, 347, 353; *terrestris*, 189, 300, 355; *thyrsiflora*, 189  
*Lythraceae*, 174, 392  
*Lythrum*, 174, 175; *Salicaria*, 175, 388, 390, 391

## M

- Mackenzie, K. K., cited, 19, 83, 86, 87, 219; determinations by, 74-88  
McVaugh, Rogers, cited, 21, 123, 129, 256, 260, 261, 263, 334; fieldwork of, 23, 264; visit to Pine Plains, 16  
Madder Family, 207  
Magdalen Island, shore vegetation, 281  
*Magnolia*, 129, 377; *acuminata*, 129, 214, 263  
*magnolia*, 369; mountain, 263  
*Magnolia* Family, 129  
*Magnoliaceae*, 129, 392  
*Maianthemum*, 97, 99; *canadense*, 99, 293, 299, 304, 306, 308, 312, 323, 347, 352, 376  
*Malaxis*, 102, 105; *unifolia*, 105  
mallow, dwarf, 169; marsh, 169; musk, 169  
Mallow Family, 169  
*Malus*, 145, 151, 377; *pumila*, 151  
*Malva*, 169; *moschata*, 169; *neglecta*, 169, 386  
*Malvaceae*, 169, 392  
mandrake, 134  
maple, 343; black, 167; hard, 167; mountain, 167; red, 167, 278, 290, 298, 300, 323, 324, 339, 340, 347, 375; silver, 167; striped, 167; sugar, 167, 298, 303, 305, 308, 313 (illus.), 330, 348, 367, 369, 375; swamp, 167  
Maple Family, 167  
marjoram, wild, 198  
*Marrubium vulgare*, 232  
marsh, defined, 21  
marsh association, calcareous, 296 (illus.); elder, 219; marigold, 130  
*Matricaria*, 216, 229; *matricarioides*, 229  
matrimony vine, 200  
May apple, 134  
mayflower, 185  
meadow rue, 133; early, 133  
meadowsweet, 146  
*Medeola*, 97, 100; *virginiana*, 100, 306, 308, 319, 352, 376  
*Medicago*, 154, 155; *lupulina*, 155, 156, 387; *sativa*, 155  
*Megalodonta Beckii*, 229  
*Melampyrum*, 201, 206; *lineare*, 206, 347, 353; var. *latifolium*, 206  
*Melilotus*, 154, 156; *alba*, 156, 387, 390; *officinalis*, 156, 337, 387, 390  
*Menispermaceae*, 134, 392  
*Menispermum*, 134; *canadense*, 134, 331, 357, 363 (map)  
*Mentha*, 197, 199; *arvensis*, 199, 353; f. *glabrata*, 199; var. *villosa*, 199; *gentilis*, 199; *piperita*, 232; *spicata*, 232  
*Menyanthes*, 190, 191; *trifoliata*, 191, 301; var. *minor*, 191  
mermaid weed, 177  
Merriam, C. Hart, cited, 367  
mesarch successional series, 338  
Mexican tea, 123  
Mezereum Family, 174  
Michaux, André, cited, 260; travels in eastern New York, 260  
*Micranthemum*, 202  
*Microstylis monophyllos*, 232  
*Mikania*, 216, 220; *scandens*, 220, 278, 357, 363 (map)



- Milium*, 50, 60; *effusum*, 60  
 milkweed, 192; common field, 193;  
     green, 193; poke, 193; swamp, 193  
 Milkweed Family, 192  
 Milkwort Family, 163  
 Miller, William J., cited, 233, 235  
 millet, Japanese, 64  
*Mimulus*, 201, 202; *alatus*, 202, 357,  
     363 (map); *ringens*, 202, 281, 353  
 mint, 199; wild, 199  
 Mint Family, 196  
*Mirabilis nyctaginea*, 124  
 mistletoe, dwarf, 118  
 Mistletoe Family, 118  
*Mitchella*, 208; *repens*, 208, 299, 306,  
     308, 353, 376  
*Mitella*, 141, 142; *diphylla*, 142, 308,  
     320, 344, 353; *nuda*, 142  
 miterwort, 142; false, 142  
 mockernut, 106  
 moist woodland habitats (illus.), 143,  
     313-315  
*Mollugo*, 125, 389; *verticillata*, 125, 337,  
     386  
*Monarda*, 196, 198; *didyma*, 232; *fi-*  
*stulosa*, 198, 361; var. *mollis*, 198  
*Moneses*, 182, 184; *uniflora*, 184  
 moneywort, 189  
 monkey flower, 202  
*Monocotyledoneae*, 41  
*Monotropa*, 182, 183; *Hypopithys*, 183;  
     *lanuginosa*, 183; *procera*, 183; *uni-*  
*flora*, 183, 308, 319, 353, 376  
*Monotropoideae*, 182  
 moonseed, 134  
 Moonseed Family, 134  
 moosewood, 308  
*Moraceae*, 116  
 Mordoff, R. A., cited, 247  
 Morning-glory Family, 193  
 Morong, Thomas, cited, 44, 45  
*Morus*, 116, 117; *alba*, 232; *nigra*, 232;  
     *rubra*, 117, 357, 363 (map), 367, 380  
 moss pink, 194  
 mosses, 320, 321, 324, 344  
 motherwort, 198  
 Mount Alander, 325 (illus.); Fray,  
     plants of, 323; Merino, plants of, 333  
 mountain ash, 151  
 Muenscher, W. C., aquatic plants re-  
     ported by, 42-48, 61, 69, 93, 121, 129,  
     165, 170, 192, 273; cited, 263, 270,  
     273; determinations by, 153; red  
     birch reported by, 114; work of, 264  
*Muhlenbergia*, 50, 58; *frondosa*, 59,  
     387; *glomerata*, 59, 301, 323, 360;  
     *mexicana*, 59, 360; *Schreberi*, 58, 59;  
     *sobolifera*, 59, 354; *sylvatica*, 59;  
     *tenniflora*, 59, 360  
 mulberry, red, 117  
 mullein, 202; moth, 202  
*Muscari botryoides*, 232  
 mustard, 139, 140; black, 139; garlic,  
     138; hedge, 138; summer, 139, 388;  
     tumble, 138  
 Mustard Family, 136  
*Myosotis*, 195; *laxa*, 195, 357, 363  
     (map); *scorpioides*, 195; *verna*, 195  
*Myrica*, 106; *Gale*, 106, 107, 296  
     (illus.); *pensylvanica*, 107  
*Myricaceae*, 106, 392  
*Myriophyllum*, 177; *exalbescent*, 177;  
     *humile*, 177; *tenellum*, 177; *verticil-*  
*latum*, 232

## N

- Nabalus Fraseri*, 232  
*Najadaceae*, 42, 391, 398  
*Najas*, 42, 45; *flexilis*, 46, 285, 286, 294,  
     297, 351; *gracillima*, 45, 46; *guadalu-*  
*pensis*, 46, 285; *minor*, 45, 46, 274;  
     *Muenscheri*, 46, 274  
 names, common, of plants, 19, 20;  
     English, of plants, 19, 20  
 Nash, G. V., determination by, 64  
 Nash's Woods, 379  
*Nasturtium*, 137; *officinale*, 137  
*Nemopanthus*, 166; *mucronata*, 166, 290  
*Nepeta*, 196, 197; *Cataria*, 197, 388;  
     *hederacea*, 197, 388  
 nettle, 118; false, 118; wood, 118, 343  
 Nettle Family, 116  
 New Jersey tea, 168  
 New York State, distribution of lime-  
     containing soils, 365 (map); of nine  
     boreal species, 366 (map); of plants

in, 362-366; of species characteristic of Hudson & Harlem Valleys, 363 (map); location of Columbia County area in, 11 (map)  
 Nichols, George E., cited, 256, 265, 268, 269, 306-308, 349, 369, 370, 373, 375, 378  
*Nigella damascena*, 232  
 nightshade, 200; climbing, 200  
 Nightshade Family, 200  
 ninebark, 146  
 No Bottom Pond, 295 (illus.); described, 293  
 nomenclature, used in this flora, 23, 24  
 North Bay, filling by vegetation, 277  
*Nuphar*, 128, 276, 277; *advena*, 113

(illus.), 128, 129, 274, 352; var. *variegatum*, 128, 129, 286; *microphyllum*, 128, 129; *variegatum*, 129  
 nut grass, 65  
 Nutton Hook, sand flats at, 333, 335 (illus.); shale bluffs at, 272 (illus.)  
 Nyctaginaceae, 124, 392  
*Nymphaea*, 128, 129; *odorata*, 129, 285-287, 352; *tuberosa*, 129  
 Nymphaeaceae, 128, 392  
*Nymphoides*, 190, 191; *cordatum*, 191, 192; *lacunosum*, 192; *peltatum*, 191, 192  
*Nyssa*, 181, 182; *sylvatica*, 182, 291 (illus.), 357, 363 (map), 367, 380  
 Nyssaceae, 182

## O

oak, 115, 256, 308, 347, 348, 367, 369; black, 116; bur, 116; chestnut, 116, 303, 304, 308, 310, 323, 324, 348; dwarf chestnut, 116; mossy-cup, 116; red, 116, 303-305, 317, 324, 369, 375; scarlet, 116; scrub, 116, 322, 323; swamp white, 116, 298; white, 116, 259, 303, 308, 317  
*Obolaria*, 378  
 Odell, T. T., cited, 282, 284  
*Oenothera*, 175, 176; *biennis*, 176, 334, 353, 388; *parviflora*, 176; *perennis*, 176, 339, 353  
 Ogden, E. C., acknowledgment to, 24  
 Oleaceae, 190, 392  
 Olive Family, 190  
 Onagraceae, 175, 392  
 onion, 98; wild, 98  
*Onoclea*, 29, 30; *sensibilis*, 30, 298  
*Onopordum Acanthium*, 232  
 Ophioglossaceae, 27, 391  
*Ophioglossum*, 27; *vulgatum*, 27  
*Opuntia*, 174; *humifusa*, 174, 333, 363 (map)  
 Orchid Family, 101  
 Orchidaceae, 101, 392  
*Orchis*, 102; *flava*, 231; *spectabilis*, 102, 355  
 orchis, purple fringed, 103; ragged, 103; showy, 102; white fringed, 103  
*Origanum*, 196, 198; *vulgare*, 198, 387

*Ornithogalum*, 97, 98; *umbellatum*, 98  
 Orobanchaceae, 206, 392  
*Orobanche*, 206, 207; *uniflora*, 207  
*Orontium*, 91, 92, 281; *aquaticum*, 92, 274, 277  
 Orpine Family, 140  
 Oryzeae, 48, 50  
*Oryzopsis*, 50, 60; *asperifolia*, 60, 323, 360; *pungens*, 60; *racemosa*, 60, 311, 321, 332, 352  
 osier, red, 182  
*Osmorhiza*, 178, 179; *Claytoni*, 179, 308, 319, 355, 379; *longistylis*, 179, 180, 310, 311  
*Osmunda*, 28; *cinnamomea*, 28, 289, 290, 298, 351; *Claytoniana*, 28, 354; *regalis*, 28, 289, 290, 298, 351; var. *spectabilis*, 28,  
 Osmundaceae, 28, 391  
*Ostrya*, 111, 310; *virginiana*, 111, 304, 308, 312, 318, 331, 333, 352, 379  
 Oxalidaceae, 162, 392  
*Oxalis*, 162; *Acetosella*, 162, 306, 308; *europaea*, 162, 353, 386, 388; *montana*, 162, 344, 348, 349, 360, 366 (map), 376, 377; *stricta*, 162; *violacea*, 162  
 Oxalis Family, 162  
*Oxybaphus*, 124; *nyctagineus*, 124  
*Oxydendrum*, 378

- Panax*, 177, 178; *quinquefolius*, 178, 306, 311, 332, 343; *trifolius*, 178, 355
- Paniceae*, 48, 50
- Panicum*, 51, 61; *agrostoides*, 61, 63; *Boscii*, 63; *capillare*, 61, 63, 387; *clandestinum*, 62, 63, 339, 356; *columbianum*, 63, 231; *depauperatum*, 61, 62; *dichotomiflorum*, 61, 63, 334; *dichotomum*, 62; *filiformis*, 232; *Gattingeri*, 61, 63, 356, 387; *glabrum*, 232; *lanuginosum* var. *fasciculatum*, 62, 63, 356; var. *implicatum*, 62, 360; var. *Lindheimeri*, 62; *latifolium*, 62, 63, 354; *linearifolium*, 62, 330, 352; var. *Wernerii*, 62, 354; *microcarpon*, 231; *philadelphicum*, 61; var. *Tuckermanni*, 63; *tsugetorum*, 62; *Tuckermanni*, 63; *virgatum*, 61, 63, 334, 356; *xanthophysum*, 231
- Papaver somniferum*, 232
- Papaveraceae*, 135, 392
- Parietaria*, 117, 118; *pensylvanica*, 118
- Parnassia*, 141; *glauca*, 141, 143 (illus.), 300, 350 (map)
- Paronychia*, 124; *canadensis*, 124, 310, 311, 352; *fastigiata*, 124
- parsnip, meadow, 180; water, 181; wild, 180
- Parthenocissus*, 168; *inserta*, 168; *quinquefolia*, 168, 353, 380; *vitacea*, 168
- partridge berry, 208
- Paspalum*, 377; *setaceum*, 232
- Pastinaca*, 178, 180; *sativa*, 180, 339, 387, 389
- Patterson, Walter, of Ancram iron furnace, 254
- pea, wild, 161
- Pea Family, 154
- Peck, C. H., at Stissing Mountain, 17; species reported by, 147, 176, 223
- Pedicularis*, 201, 205; *canadensis*, 206, 339, 353; *lanceolata*, 205, 206, 363 (map)
- Pellaea*, 29, 34; *atropurpurea*, 34, 37 (illus.), 320, 343, 350 (map); *glabella*, 34, 38 (illus.)
- Peltandra*, 91, 281; *virginica*, 91, 274, 277, 289, 290, 356, 363 (map)
- Pennell, F. W., cited, 19; determinations by, 202-205; species reported by, 202
- pennyroyal, 198
- pennywort, 181
- Penstemon*, 201, 203; *calycosus*, 203; *Digitalis*, 203; *hirsutus*, 203, 330, 333, 357, 363 (map); *pallidus*, 203
- Penthorum*, 140; *sedoides*, 140, 299, 353
- pepper-root, 139, 252
- peppergrass, 137
- periwinkle, 192
- Pfeiffer, Norma E., opinion cited, 26
- Phacelia*, 378
- Phalarideae*, 48, 50
- Phalaris*, 50, 60; *arundinacea*, 60, 61, 296 (illus.), 297, 300, 352; var. *picta*, 60, 61; f. *variegata*, 61
- Phegopteris polypodioides*, 307
- Philadelphus*, 377
- Phleum*, 50, 58; *pratense*, 58, 339
- Phlox*, 194, 378; *paniculata*, 194; *subulata*, 194
- phlox, garden, 194; moss, 194
- Phlox Family, 194
- Phragmites*, 49, 54; *communis*, 54, 300; var. *Berlandieri*, 55
- Phryma*, 207; *Leptostachya*, 207, 312, 319, 355
- Phrymaceae*, 207, 393
- Physalis*, 200; *heterophylla*, 200, 357, 388; *subglabrata*, 200
- Physocarpus*, 145, 146; *opulifolius*, 146, 278, 357, 363 (map)
- Physostegia*, 196, 197; *virginiana*, 197
- Phytolacca*, 124; *americana*, 124, 305, 357, 363 (map)
- Phytolaccaceae*, 124, 392
- Picea*, 39; *mariana*, 40, 118, 290; *rubens*, 39, 40
- pickerelweed, 93
- Pickerelweed Family, 93
- pignut, 106, 303
- pigweed, 123, 124

- Pilea*, 117, 118; *pumila*, 118, 319, 352, 380  
 pimpernel, scarlet, 190  
*Pinaceae*, 39, 391  
 pine, 256; pitch, 39, 322, 323, 330, 368; red, 39, 368; white, 39, 259, 293, 298, 305, 306, 308, 310, 317, 318, 322, 324, 330, 367-369, 375  
 pine drops, 183  
 Pine Family, 39  
 pink, Deptford, 128  
 Pink Family, 125  
 pinkster, 184, 304  
*Pinus*, 39, 379; *balsamea*, 40; *mitis*, 231; *resinosa*, 39, 318; *rigida*, 39, 303, 312, 318, 322, 348, 351, 368; *Strobus*, 39, 259, 289, 293, 303, 305, 307, 310, 312, 318, 333, 351, 369, 376, 378  
 pinweed, 171  
 pipewort, 93  
 Pipewort Family, 93  
 pipsissewa, 184  
 pitcher plant, 140  
 Pitcher Plant Family, 140  
 pitchforks, 228  
 Plane Tree Family, 145  
 plant-associations, of flood plains, 338-340; on glacial-till soils, 302-311; of lakes and lake swamps, 281-294; of ravines on water-laid soils, 338; of rock-outcrops, 319-330; of rocky stream-gorges, 340-349; on sand flats & gravel bars, 333-337; of seepage swamps, 297-302; of streams and their flood plains, 294-297; on talus slopes, 330-333; of tidal waters, 270-281; on water-laid soils, 311-319  
 plant-succession, 277, 284-293, 297, 299, 302, 324  
*Plantaginaceae*, 207, 393  
*Plantago*, 207; *aristata*, 207, 384; *cordata*, 207, 281; *indica*, 207; *lanceolata*, 207, 387; *major*, 207, 337, 388; *Rugelii*, 207  
 plantain, 207; English, 207  
 Plantain Family, 207  
*Platanaceae*, 145, 392  
*Platanus*, 145; *occidentalis*, 145, 278, 337, 339, 340, 355  
 plum, garden, 153; wild, 281  
*Poa*, 49, 53; *alsodes*, 53, 360; *annua*, 53; *compressa*, 53; *debilis*, 231; *nemoralis*, 53, 54; *palustris*, 53, 54, 339, 352; *pratensis*, 53, 339; *sal-tuensis*, 53, 360; *trivialis*, 53  
*Podophyllum*, 134; *peltatum*, 134, 319, 357, 363 (map)  
*Pogonia*, 102, 103; *ophioglossoides*, 103, 290, 301  
 poison ivy, 166, 320; sumac, 166, 301  
 pokeweed, 124, 305  
 Pokeweed Family, 124  
*Polanisia*, 140; *graveolens*, 140, 337, 357  
*Polemoniaceae*, 194, 392  
*Polygala*, 163; *paucifolia*, 103, 163, 304, 312, 353; *polygama*, 163, 333, 363 (map); *sanguinea*, 163; *Senega*, 163; *verticillata*, 163, 353  
*Polygalaceae*, 163, 392  
*Polygonaceae*, 118, 392  
*Polygonatum*, 97, 100; *canaliculatum*, 100, 339, 357; *pubescens*, 100, 310, 311, 319, 352  
*Polygonum*, 118, 119; Sections *Avicularia*, 120; *Echinocaulon*, 122; *Persicaria*, 121; *Tiniaria*, 121; *Tovara*, 121; *amphibium*, 120, 121, 294, 352; *arifolium*, 120, 122, 352; var. *pubescens*, 122; *aviculare*, 119, 120, 387; *cilinode*, 120, 122, 360; *coccineum*, 120, 121; *Convolvulus*, 120, 121, 387; *cristatum*, 122; *dumetorum*, 120, 122; *erectum*, 119, 121; *Hartwrightii*, 121; *Hydropiper*, 120, 121, 387; *hydropiperoides*, 120, 121; *lappathi-folium*, 120, 121; *orientale*, 232; *pensylvanicum*, 120, 121, 355, 386; var. *laevigatum*, 121; *Persicaria*, 120, 121, 337, 386; *punctatum*, 121, 337, 352; var. *confertiflorum*, 120, 121; var. *majus*, 120, 121; *robustius*, 121; *sagittatum*, 120, 122, 352; *scabrum*, 120, 121; *scandens*, 120, 122, 357; *tenue*, 119, 121, 330, 333; *virginianum*, 119, 121, 319, 352, 380  
*Polypodiaceae*, 29, 391  
*Polypodium*, 29, 34; *virginianum*, 34, 320, 321, 343, 344, 351, 376; *vulgare*, 306  
*Polystichum*, 29, 31; *acrostichoides*, 31, 307, 311, 319, 321, 332, 351, 376, 379

- pondweed, 42, 280 (illus.), 286, 388;  
fennel-leaved, 19  
Pondweed Family, 42  
*Pontederia*, 93, 281; *cordata*, 93, 274,  
288 (illus.), 289, 297, 356  
*Pontederiaceae*, 93, 391  
poplar, 107, 334, 335 (illus.); balsam,  
107; **black**, 107; **Carolina**, 108; **tulip**  
(see tulip tree); water, 278; white,  
107  
Poppy Family, 135  
*Populus*, 107; *alba*, 107; *balsamifera*,  
107; var. *candicans*, 232; *deltoides*,  
107, 108, 113, 278, 334, 335 (illus.),  
337, 355; *grandidentata*, 107, 305,  
355; *heterophylla*, 232; *nigra*, 107;  
*tremuloides*, 107, 305, 352  
*Portulaca*, 125; *oleracea*, 125, 386  
*Portulacaceae*, 125, 392  
*Potamogeton*, 42, 262, 280 (illus.),  
286, 388; Section *Axillares*, 396;  
*amplifolius*, 42, 44, 286, 297, 351;  
*Berchtoldi*, 43, 45; *crispus*, 43, 44;  
*diversifolius*, 44; *epihydrus*, 42-44,  
297; *foliosus*, 43, 45, 297; *gramineus*,  
42-44, 286, 294, 354; *heterophyllus*  
f. *maximus*, 44; *Hillii*, 43, 45; *illi-*  
*noensis*, 42-44, 285, 286, 351; *lucens*,  
44; var. *connecticutensis*, 44; *natans*,  
42, 43, 286, 354; *nodosus*, 42, 44, 286,  
297, 354; *Oakesianus*, 42, 44; *obtusifolius*,  
43, 45; *pectinatus*, 19, 43, 45;  
*perfoliatus*, 43, 274; var. *bupleuroides*,  
44; *praelongus*, 43, 44, 286, 354;  
*pusillus*, 43, 45; *Richardsonii*, 43-45;  
*Robbinsii*, 43, 45; *Spirillus*, 42, 44,  
286, 354; *strictifolius*, 43, 45; *Vaseyi*,  
42, 44; *zosteriformis*, 43, 45, 286, 351  
potato, 200  
*Potentilla*, 146, 329; *argentea*, 147, 355;  
*arguta*, 146, 147; *canadensis*, 146, 147,  
355, 387; *fruticosa*, 90 (illus.), 143  
(illus.), 146, 147, 300, 302, 388; *nor-*  
*vegica*, 147, 353, 388; var. *hirsuta*,  
147; *palustris*, 70, 146, 147; *recta*,  
147, 387, 390, 391; *simplex*, 146, 147,  
353, 387; *tridentata*, 144 (illus.),  
147, 324, 361 (map)  
*Prenanthes*, 215, 219, 308; *alba*, 219,  
319, 354; *altissima*, 219; *trifoliolata*,  
219, 319, 356  
prickly ash, 163; pear, 174  
Primrose Family, 189  
*Primulaceae*, 189, 392  
prince's feather, 25  
privet, 190  
*Proserpinaca*, 177; *palustris*, 177; var.  
*crebra*, 177  
*Prunella*, 196, 197; *vulgaris*, 197, 353;  
var. *lanceolata*, 197  
*Prunus*, 145, 153, 329; *americana*, 232,  
379; *avium*, 153, 154; *Cerasus*, 153,  
154; *depressa*, 154; *domestica*, 153;  
*pensylvanica*, 153, 154, 308, 323, 353,  
388; *pumila*, 153, 154, 323, 324; *pyg-*  
*macea*, 154; *serotina*, 153, 154, 303,  
307, 310, 312, 353, 376, 378; *susque-*  
*hanae*, 154; *virginiana*, 153, 154, 353,  
388  
*Ptelea*, 378  
*Pteretis*, 29, 30; *pensylvanica*, 30, 339  
*Pteridium*, 29, 34, 312; *aquilinum* var.  
*latiusculum*, 34; *latiusculum*, 34, 304,  
347, 351, 387  
*Pteridophyta*, 25; arrangement of, 19  
*Pteris aquilina*, 308  
*Pterospora*, 182, 183; *andromedea*, 183  
Pursh, Frederick, travels in eastern  
New York, 260  
Purslane Family, 125  
pussley, 125  
*Pycnanthemum*, 197, 199; *incanum*,  
199; *tenuifolium*, 199, 355; *virgini-*  
*anum*, 199, 355  
*Pyrola*, 182, 184, 378, 379; *chlorantha*,  
308; *elliptica*, 184, 304, 308, 359  
(map), 360, 376; *rotundifolia*, 184,  
304, 360; var. *americana*, 184; *se-*  
*cunda*, 184; *virens*, 184; f. *paucifolia*,  
184  
*Pyrolaceae*, 182  
*Pyroloideae*, 182  
*Pyrus americana*, 151; *arbutifolia*, 151;  
*Aucuparia*, 151; *Malus*, 151; *melano-*  
*carpa*, 151



## Q

quack, 55 (see grass, quack)  
 Quaker ladies, 208  
 quartzitic rocks, plants of, 321  
 Quassia Family, 163  
 Queen Anne's lace, 179  
*Quercus*, 115; *alba*, 115, 116, 259, 303, 310, 312, 317, 318, 322, 333, 352, 368, 380; *bicolor*, 115, 116, 278, 289, 298, 355; *borealis*, 115, 116, 303, 305, 347, 352, 368; var. *maxima*, 116, 307, 310,

312, 317, 318, 333, 376, 378; *coccinea*, 115, 116; *falcata*, 232; *ilicifolia*, 115, 116, 322, 324, 325 (illus.), 347, 348, 360; *macrocarpa*, 115, 116; *palustris*, 232; *prinoides*, 115, 116, 333; *Prinus*, 115, 116, 118, 303, 322, 332, 347, 352; *rubra*, 116, 307; *stellata*, 367; *velutina*, 115, 116, 357, 363 (map), 367  
 quillwort, 26  
 Quillwort Family, 26

## R

radish, wild, 140, 388  
 Rafinesque-Schmaltz, C. S., cited, 260;  
   at Lebanon, 260; tutor at Clermont, 260  
 ragweed, 389; common, 219; great, 219  
 ragwort, golden, 230  
 raisin, wild, 211  
*Ranunculaceae*, 130, 392  
*Ranunculus*, 130, 132; *abortivus*, 132, 133, 352; *acris*, 132, 133, 339, 387, 389; *alleghehiensis*, 232; *ambigens*, 132, 133; *bulbosus*, 232; *fascicularis*, 132, 133, 333, 363 (map); *flabellaris*, 132, 133, 363 (map); *hispidus*, 132, 133, 319, 357, 363 (map); var. *falsus*, 133; *longirostris*, 132; *pennsylvanicus*, 132, 133; *recurvatus*, 132, 133, 352; *repens*, 132; f. *pleniflorus*, 133; *repentans*, 132; var. *ovalis*, 133, 294; *scleratus*, 132, 133; *septentrionalis*, 132, 133, 339, 352  
*Raphanus*, 136, 140; *Raphanistrum*, 140, 386, 388-390  
 raspberry, 305, 386; purple flowering, 149; wild black, 150; wild red, 150  
 rattlesnake plantain, 104; weed, 218  
 ravines, plants of, 338, 340  
 red cedar, 40  
 redtop, 58 (see grass, redtop)  
 reindeer moss, 20  
 Rensselaer Grit, 234  
*Rhamnaceae*, 167, 392  
*Rhamnus*, 167; *alnifolia*, 167, 168, 301, 302; *cathartica*, 167, 168

*Rhododendron*, 183, 184; *nudiflorum*, 184, 304, 322, 353; *roseum*, 184; *viscosum*, 184, 185, 289; var. *glaucum*, 185  
*Rhus*, 165; *aromatica*, 165, 330, 357, 363 (map); *copallina*, 165; *glabra*, 165, 281, 357, 388; *radicans*, 166; *Toxicodendron*, 165, 166, 290, 320, 331, 332, 353, 380, 388; *typhina*, 165, 353, 388; *Vernix*, 107, 165, 166, 289, 301, 353  
*Rhynchospora*, 65, 70; *alba*, 70, 290, 301; *capillacea*, 70, 301; *fusca*, 232  
 rib grass, 207  
*Ribes*, 141, 142; *americanum*, 142, 145, 355, 363 (map); *Cynosbati*, 142, 320, 355; *hirtellum*, 142, 301, 302; *lacustre*, 142, 145; *prostratum*, 232; *sativum*, 142, 145  
 rice, wild, 61, 276 (illus.), 277  
 Rich, John Lyon, cited, 235  
 rich woodlands, plants of, 318  
 richweed, 118  
 river weed, 388  
 Robbins, J. W., determinations by, 44, 262  
*Robinia*, 155, 156, 378; *Pseudo-Acacia*, 156, 388, 389; *viscosa*, 156  
 Robinson, B. L., & Fernald, M. L., cited, 23  
 rock outcrops, as a habitat (illus.), 326, 327; plants of, 319  
 Rockrose Family, 171  
 rocky ravine, habitat, 341 (illus.)  
 Roeliff Jansen Kill, valley of, 238



Rogers Island, description of forest on, 278; illustrations, 275, 276; succession on, 281  
*Rorippa*, 136, 137; *islandica*, 137, 352; *sylvestris*, 137  
*Rosa*, 146, 150; *blanda*, 150; *carolina*, 150, 355; *Eglanteria*, 150, 390; *palustris*, 150  
*Rosaceae*, 145, 392  
 rose, 150; pasture, 150; smooth, 150; swamp, 150; sweetbrier, 150  
 Rose Family, 145  
 rowan tree, 151  
 Royal Fern Family, 28  
*Rubiaceae*, 207, 393  
*Rubus*, 146, 149, 386; *allegheniensis*, 149, 150, 353, 388; *canadensis*, 149, 150; *flagellaris*, 149, 150, 353, 387, 389; *frondosus*, 149, 150; *Groutianus*, 149, 150; *hispidus*, 149, 150, 290, 298, 353; *idaeus*, 149, 353, 388; var. *stri-*

*gosus*, 150, 305; *occidentalis*, 149, 150, 305, 353, 388; *odoratus*, 149, 353; *permixtus*, 150; *pubescens*, 149, 290, 298, 360  
*Rudbeckia*, 217, 227; *hirta*, 227, 339, 387, 389, 390; *lacinata*, 227, 300, 354; *serotina*, 227; *triloba*, 227  
 Rue Family, 163  
 Ruedemann, Rudolf, acknowledgment to, 242; cited, 233, 234, 235, 309; work of, 264  
*Rumex*, 118, 119; *Acetosella*, 119, 387; *crispus*, 119, 387; *mexicanus*, 119; *obtusifolius*, 119, 387; *orbiculatus*, 119, 301; *verticillatus*, 119  
 rush, 94; candle, 95; soft, 95 (see scouring rush)  
 Rush Family, 94  
 Russian thistle, 123  
*Rutaceae*, 163, 392  
 rye, wild, 55

## S

*Sagina*, 125, 126; *procumbens*, 126, 348, 349, 360  
*Sagittaria*, 46; *cuneata*, 47, 294; *Eatoni*, 47, 274; *graminea*, 47, 294; *latifolia*, 47, 274, 277, 351; *rigida*, 47, 274; *subulata*, 38 (illus.), 47, 274  
 St. John's-wort, 170  
 St. John's-wort Family, 169  
*Salicaceae*, 107, 392  
*Salix*, 107, 108; *alba* var. *argentea*, 108-110; var. *vitellina*, 232; *Bebbiana*, 108-110, 360; *candida*, 108-110, 301, 302; *discolor*, 108-110, 298, 299, 352; *fragilis*, 108-110; *gracilis*, 110; *humilis*, 109, 110, 355; *interior*, 108-110; *lucida*, 108, 109; *myrtilloides*, 110; *nigra*, 108, 109, 278, 298, 339, 355; *pedicellaris*, 108-110; var. *hypoglauca*, 110; *pentandra*, 108, 109; *petiolaris*, 108-110; *purpurea*, 108-110, 334; *rigida*, 108-110, 334, 337, 352; *sericea*, 108-110, 298, 299, 334, 352; *serissima*, 108-110, 301, 302, 355; *subsericea*, 108-110  
*Salsolea*, 122, 123; *Kali*, 123; var. *tenuifolia*, 123, 334

*Sambucus*, 210; *canadensis*, 210, 298, 318, 354, 363 (map), 380, 388; *pubens*, 210; *racemosa*, 210, 306, 307, 344, 349, 361, 376  
 sand flats, at Nutten Hook. (illus.), 89, 113, 335; plants of, 333  
 Sandalwood Family, 118  
 sandbur, 64  
*Sanguinaria*, 135; *canadensis*, 135, 310, 311, 319, 332, 352  
*Sanicula*, 178, 179; *canadensis*, 179, 319, 357, 363 (map); *gregaria*, 179, 357, 363 (map); *marilandica*, 179, 304, 310-312, 319, 353; *trifoliata*, 179  
*Santalaceae*, 118, 392  
*Saponaria*, 126, 128; *officinalis*, 128, 387; *Vaccaria*, 128  
*Sarracenia*, 140; *purpurea*, 70, 140, 143 (illus.), 290, 301, 350 (map)  
*Sarraceniaceae*, 140, 392  
 sarsaparilla, wild, 178  
*Sassafras*, 134, 135; *albidum*, 135, 357, 363 (map), 380; *variifolium*, 380  
 sassafras, 135  
*Satureja*, 196, 198; *vulgaris*, 198, 355  
*Saururus cernuus*, 232

- Saxifraga*, 141; *pensylvanica*, 141, 298, 360; *virginiensis*, 141, 320, 321, 330, 353
- Saxifragaceae*, 140, 141, 392
- saxifrage, early, 141; swamp, 141
- Saxifrage Family, 141
- Scheuchzeria*, 46; *palustris*, 46
- schistose rocks, plants of, 321
- Schizachne*, 49, 55; *purpurascens*, 55
- Schodack Island, description of, 278
- Scirpus*, 64, 68, 299; *acutus*, 68, 69; *americanus*, 68, 69, 281, 337; *atrocinctus*, 69, 70; *atrovirens*, 68, 70, 297, 299, 352, 387; var. *georgianus*, 68, 70; *cyperinus*, 69, 70, 297, 299, 352; f. *condensatus*, 70; var. *pelius*, 70; *fluvialis*, 68, 69, 274, 276, 277; *hudsonianus*, 68, 69; *lineatus*, 69, 70, 301; *microcarpus*, 68, 69; *pedicellatus*, 69, 70; *polyphyllus*, 69, 70; *rubrotinctus*, 69; *Smithii*, 68, 69, 281; *subterminalis*, 68, 69; *Torreyi*, 68, 69; *validus*, 68, 69, 290, 297, 355; *verecundus*, 68, 69
- Scleranthus*, 124; *annuus*, 124, 387
- Scleria*, 377; *pauciflora*, 232
- scouring rush, 27
- Scrophularia*, 201, 203; *lanceolata*, 203, 357; *marilandica*, 203
- Scrophulariaceae*, 19, 201, 392, 398
- Scutellaria*, 196, 197; *epilobiifolia*, 197, 298, 353; *lateriflora*, 197, 298, 353
- sedge, 71, 276 (illus.); river, 277
- Sedge Family, 64
- Sedum*, 140, 141; *acre*, 141; *purpureum*, 141; *ternatum*, 141; *triphyllum*, 141
- seepage swamps, plants of, 297
- Selaginella*, 26; *apoda*, 26, 301; *rupes-tris*, 26, 323, 330, 333, 354
- Selaginellaceae*, 26, 391
- Seneca snakeroot, 163
- Senecio*, 216, 230; *aureus*, 230, 356; *obovatus*, 230, 310, 311, 361; *vulgaris*, 230
- senna, wild, 155
- sensitive plant, wild, 155
- Sericocarpus*, 216, 223; *asteroides*, 223, 355
- Setaria*, 50, 64; *glauca*, 64; *lutescens*, 64, 386; *viridis*, 64, 387
- shadbush, 151, 304, 323
- shagbark, 106
- Shakers, in Columbia County area, 255
- shale outcrops, plants of, 329, 332
- shale slopes, habitat (illus.), 327, 328
- Shear, C. L., cited, 128
- shepherd's purse, 137
- Shreve, Forrest, cited, 366
- sicklepod, 139
- Sicyos*, 213; *angulatus*, 213, 339, 357, 363 (map)
- Sida spinosa*, 232
- Silene*, 125, 127; *antirrhina*, 127; *caroliniana* var. *pensylvanica*, 127; *Cucubalus*, 127, 387, 390; *noctiflora*, 127
- Silphium*, 378
- Silvernail Falls, 336 (illus.)
- silver-rod, 222
- Simarubaceae*, 163, 392
- Sisymbrium*, 136, 138; *altissimum*, 138; *officinale*, 138, 387
- Sisyrinchium*, 101; *angustifolium*, 101, 339, 355; *montanum*, 101, 339, 355; var. *crebrum*, 101
- Sium*, 179, 181; *angustifolium*, 232; *suave*, 181, 274, 353
- skullcap, 197
- skunk cabbage, 19, 91, 298
- Smallwood, W. M., cited, 260
- smartweed, 121
- Smilacina*, 97, 99; *racemosa*, 99, 304, 306, 308, 310, 352, 376, 379; *stellata*, 99, 363 (map); *trifolia*, 99
- Smilax*, 97, 100; *herbacea*, 100, 352; *rotundifolia*, 100, 101; *tamnoides*, 100, 101, 278; var. *hispida*, 101
- Smith, Stanley J., acknowledgment to, 24; determination by, 150
- Smock, John C., cited, 254
- snakeroot, Seneca, 163; white, 220
- sneezeweed, 229
- snow-on-the-mountain, 164
- snowberry, creeping, 189
- soils, plants of acidic, 302, 321, 331; of calcareous, 300, 309, 320, 331; of circum-neutral, 298; of clay, 312; of sandy, 311; of water-laid, 311
- Solanaceae*, 200, 392
- Solanum*, 200; *americanum*, 200; *carolinense*, 200; *Dulcamara*, 200, 289, 298, 299, 388, 389; *nigrum*, 200; *rostratum*, 200; *tuberosum*, 200

- Solea concolor*, 397  
*Solidago*, 216, 220, 386; *altissima*, 221, 222, 354, 388; *arguta*, 221, 222, 319, 354; *bicolor*, 216, 220, 222, 304, 354; *caesia*, 220, 221, 304, 308, 310, 320, 354; *canadensis*, 221, 222; *erecta*, 232; *flexicaulis*, 220, 222, 311, 332; *gigantea*, 221, 222, 355; *graminifolia*, 220, 223, 354, 388; *hispida*, 221, 222; *junccea*, 221, 222, 330, 354, 388; *nemorialis*, 221, 222, 223, 330, 354, 388; *odora*, 232; *patula*, 221, 222, 355; *puberula*, 221, 222, 324; *Purshii*, 221, 222, 300; *rigida*, 220, 223, 333, 363 (map); *rugosa*, 221, 222, 354, 388; *speciosa*, 221, 222, 363 (map); *squarrosa*, 220-222, 330, 333; *stricta*, 232; *thyrsoides*, 232; *uliginosa*, 221, 222; *ulmifolia*, 221, 222, 357  
Solomon's seal, 100; false, 99  
*Sonchus*, 215, 217; *arvensis*, 217, 337; var. *glabrescens*, 217; *oleraceus*, 217, 388  
*Sorbaria*, 145, 146; *sorbifolia*, 146  
*Sorbus*, 145, 151; *americana*, 151, 360, 366 (map); *Aucuparia*, 151  
*Sorghastrum*, 51, 64; *nutans*, 64, 333, 363 (map)  
sorrel, 119; wood, 162  
sour grass, 162  
South Bay, filling by plants, 277, 279; at Hudson, 279 (illus.)  
sow-thistle, 217  
Spafford, Horatio Gates, cited, 257  
Spanish moss, 20; needles, 228  
*Sparganiaceae*, 41, 391  
*Sparganium*, 41; *americanum*, 41, 289, 297, 354; *chlorocarpum*, 41, 354; var. *acaule*, 41; *eurycarpum*, 41, 274, 363 (map); *simplex* var. *fluitans*, 231  
*Spartina*, 50, 60; *alterniflora*, 273; *cy-nosuroides*, 273; *pectinata*, 60, 278  
*Specularia*, 214  
speedwell, 204  
*Spergula*, 125, 127; *arvensis*, 127  
*Spermatophyta*, 39  
sphagnum habitats (illus.), 35, 90, 187, 287, 292  
sphagnum, 90, 285-287, 289, 290, 292, 293, 301; bogs, distribution of characteristic species in, 381  
*Sphenopholis*, 49, 56; *intermedia*, 56, 354; *nitida*, 56, 57; *obtusata*, 56  
spicebush, 135  
Spiderwort Family, 93  
spike rush, 66  
spikenard, 178, 343  
*Spiraea*, 145, 146; *latifolia*, 146, 289, 299, 305, 353, 388; *tomentosa*, 146, 299, 305, 353, 388  
*spiraea*, pink, 146  
*Spiranthes*, 102, 104; *Beckii*, 232; *cernua*, 90 (illus.), 104, 355; var. *ochroleuca*, 104; *gracilis*, 103, 104, 352; *lacera*, 104; *lucida*, 104; *Romanzoffiana*, 231  
*Spirodela*, 92; *polyrhiza*, 92, 355  
spleenwort, 33, 343; maiden-hair, 34; silvery, 34  
*Sporobolus*, 50, 59; *serotinus*, 232; *vaginiflorus*, 59, 354  
spring beauty, 125; broad-leaved, 125  
spruce, 39; black, 40, 290, 292 (illus.), 369, 377; red, 40; white, 369, 377  
spurge, flowering, 164  
Spurge Family, 164  
spurry, 127  
squawberry, 186  
squirrel corn, 135  
*Stachys*, 196, 198; *arenicola*, 198; *palustris*, 198; var. *homotricha*, 198; *tenuifolia*, 198, 274, 277, 363 (map); var. *platyphylla*, 198, 278  
Staff Tree Family, 166  
*Staphylea*, 166; *trifolia*, 166, 332, 357, 363 (map)  
*Staphyleaceae*, 166, 392  
star of Bethlehem, 98  
starflower, 188 (illus.), 190  
Stebbins, C. M., cited, 261; species reported from Hudson by, 34, 91, 97, 99, 130, 136, 174, 175, 183, 185, 214, 227  
*Stellaria*, 125, 126; *calycantha*, 126, 349; var. *isophylla*, 126; *graminea*, 126; *longifolia*, 126; *media*, 126, 387  
Stetson, Sereno, cited, 263; species reported by, 101, 103, 105, 155, 178, 217  
Stockport Creek, mouth of, 275 (illus.)  
Stockport weed, 209, 390  
stonecrop, ditch, 140; mossy, 141; wild, 141

stonerooot, 199  
 stonewort, 285  
 strawberry, barren, 148; field, 147;  
 wild, 147; wood, 147  
 streams, plants of, 294; stagnant, as a  
 habitat, 296 (illus.)  
*Strcptopus*, 97, 99; *amplexifolius*, 99,  
 100, 348, 349; var. *americanus*, 100;  
*roseus*, 99, 306, 308, 344, 349, 360, 366  
 (map), 376; var. *perspectus*, 100  
*Strophostyles*, 154, 161; *helvola*, 161,  
 337, 357  
 Stuyvesant Falls, island at, 306  
*Stylophorum*, 377  
 sumac, fragrant, 165; poison, 166, 301;  
 smooth, 165, 281; staghorn, 165  
 sundew, 140  
 Sundew Family, 140  
 sundrops, 176  
 sunflower, 227; false, 227  
 Svenson, H. K., cited, 263; determina-  
 tions by, 66, 67; species reported  
 from the Hudson Estuary by, 44, 45,  
 48, 67, 69, 93, 96, 177, 191, 197, 202,  
 206, 228, 229  
 Swallen, J. R., determination by, 54  
 swamp, defined, 20  
 swampy woodland (illus.), 90, 291  
 sweet Cicely, 179, 180; clover, white,  
 156; clover, yellow, 156; fern, 106  
 Sweet-gale Family, 106  
 sweetbrier, 150  
 sweetflag, 92  
 sycamore, 145, 340  
*Symphytum officinale*, 232  
*Symplocarpus*, 91; *foetidus*, 19, 91, 290,  
 298, 356, 363 (map)  
*Syringa vulgaris*, 190

## T

Taconic, orthography of, 233  
*Tacnidia*, 179, 180; *integerrima*, 180,  
 357, 363 (map)  
 Taghkanic, orthography of, 233  
 talus-slopes, plants of, 330  
 tamarack, 301  
*Tanacetum*, 216, 229; *vulgare*, 229, 387  
 tansy, 229  
*Taraxacum*, 215, 217; *erythrospermum*,  
 217; *officinale*, 217, 388  
 tarweed, 174  
*Taxaceae*, 41, 391  
*Taxus*, 41, 378, 379; *canadensis*, 36  
 (illus.), 41, 256, 306, 307, 343, 344,  
 349, 376  
 Taylor, Frank Bursley, cited, 235  
 Taylor, Norman, cited, 9, 263; species  
 reported by, 131, 174, 222  
 tear thumb, 122  
 teasel, 213  
 Teasel Family, 213  
*Tephrosia virginiana*, 232  
*Teucrium*, 196, 197; *canadense*, 197,  
 278, 363 (map)  
*Thalictrum*, 130, 133; *dioicum*, 133, 310,  
 311, 319, 320, 352; *polygamum*, 133,  
 299, 301, 339, 352; *purpurascens*, 232  
*Thaspium aureum*, 232  
 thistle, 230; bull, 230; Canada, 231;  
 pasture, 231; swamp, 231  
 thornapple, 152  
 three-seeded mercury, 164  
*Thuja*, 39, 40; *occidentalis*, 40, 278,  
 356, 358 (map), 378  
 Thurber, George, determinations by,  
 262  
 thyme, wild, 198  
*Thymelaeaceae*, 174, 392  
*Thymus*, 197, 198; *Serpyllum*, 198, 387,  
 390  
*Tiarella*, 141, 142; *cordifolia*, 142, 308,  
 311, 348, 360, 376, 378  
 tidal bay, as a habitat (illus.), 113, 279;  
 marshes, distribution of character-  
 istic species, 381; mud flats, as a  
 habitat (illus.), 38, 89, 275, 276;  
 waters, plants of, 270, 361  
*Tilia*, 168; *americana*, 168, 303, 307,  
 308, 310, 353, 376, 378; *glabra*, 378  
*Tiliaceae*, 168, 392  
*Tillaea*, 140; *aquatica*, 140  
 timothy, 58  
 toadflax, blue, 203  
 tomato, 200

- Torilis*, 178, 179; *japonica*, 179  
 Torrey, John, cited, 261, 263, 390;  
 species reported by, 114, 129  
 touch-me-not, spotted, 162; yellow, 162  
*Tovara virginiana*, 121  
*Tradescantia*, 377  
*Tragopogon*, 215, 217; *pratensis*, 217,  
 387, 390  
 Tree Fern Family, 29  
 tree of heaven, 163  
 trefoil, 356; bird's-foot, 156, 391; tick,  
 157  
*Trichostema*, 196, 197; *dichotomum*,  
 197, 357  
*Trientalis*, 189, 190; *americana*, 306,  
 308; *borealis*, 188 (illus.), 190, 293,  
 299, 304, 312, 347, 361, 376  
*Trifolium*, 154, 156; *agrarium*, 156, 387,  
 390; *arvense*, 156, 387; *hybridum*,  
 156; *pratense*, 156; *procumbens*, 232;  
*repens*, 156, 386  
*Triglochin palustris*, 232  
*Trillium*, 97, 100, 306; *cernuum*, 100,  
 357; *erectum*, 100, 306, 310, 319, 352,  
 376; *undulatum*, 100, 306, 308, 349,  
 360, 366 (map), 376  
*trillium*, painted, 100, 308; red, 100;  
 white, 100  
*Triodanis*, 213, 214; *perfoliata*, 214, 354  
*Triosteum*, 210, 211; *aurantiacum*, 211;  
*perfoliatum*, 211, 311, 355; var. *au-*  
*rantiacum*, 211; var. *glaucescens*, 211  
*Triplasis*, 49, 55; *purpurea*, 55, 89  
 (illus.), 334, 335 (illus.)  
*Trisetum*, 49, 57; *palustre*, 231; *spica-*  
*tum*, 57  
*Triticum violaceum*, 231  
 trout lily, 98  
 True Fern Family, 29  
*Tsuga*, 39, 40, 293, 305, 310, 338, 379;  
*canadensis*, 40, 259, 303, 307, 310, 312,  
 317, 318, 321, 350 (map), 351, 369,  
 376, 378  
 tulip poplar, 369; tree, 129, 367  
 tumbleweed, 123, 124, 334  
 Turkey Run State Park, 380  
 turtlehead, 203  
*Tussilago*, 216, 230; *Farfara*, 230, 388  
 twayblade, 105  
 twinflower, 377  
 twisted stalk, 100, 308  
*Typha*, 41, 289; *angustifolia*, 41, 274,  
 363 (map); *latifolia*, 41, 70, 274, 277,  
 285, 297, 351  
*Typhaceae*, 41, 391

## U

- Ulmaceae*, 116  
*Ulmus*, 116, 117; *americana*, 117, 278,  
 281, 289, 293, 318, 334, 340, 352, 378;  
*fulva*, 379, 380; *rubra*, 117, 318, 357,  
 363 (map), 379, 380; *Thomasi*, 117  
*Umbelliferae*, 178, 392  
 Undine, Lake, 83  
*Urtica*, 117, 118; *dioica*, 118, 355, 387;  
 var. *procera*, 118; *procera*, 118  
*Urticaceae*, 116, 392  
*Utricularia*, 206; *cornuta*, 206; *gibba*,  
 206; *intermedia*, 70, 206; *minor*, 206;  
*vulgaris*, 206, 353; var. *americana*,  
 206  
*Uzularia*, 97, 99; *grandiflora*, 99, 319;  
*perfoliata*, 99, 304, 310, 311, 319, 352;  
*sessilifolia*, 99, 319, 323, 352

## V

- Vaccinioideae*, 182, 183  
*Vaccinium*, 118, 183, 186, 290, 308, 312,  
 348; *angustifolium*, 186, 189, 304, 305,  
 322, 324, 347, 353; *atrococcum*, 186,  
 189; *corymbosum*, 186, 289, 304, 361;  
 var. *amoenum*, 232; *dumosum*, 232;  
*frondosum*, 232; *macrocarpon*, 186,  
 189, 290; *myrtilloides*, 186, 360; *Oxy-*  
*coccus*, 186, 189, 290; *stamineum*, 186,  
 323, 355; *vacillans*, 186, 189, 304, 323,  
 353  
 valerian, 212



- Valerian Family, 212  
*Valeriana*, 212; *sitchensis*, 107, 212; ssp. *uliginosa*, 212, 262, 301; *sylvatica*, 396, 397; *uliginosa*, 212  
*Valerianaceae*, 212, 393  
*Valerianella*, 212; *radiata*, 212, 213; *umbilicata*, 212  
*Vallisneria*, 47, 48; *americana*, 48, 274, 363 (map), 388  
Van Gieson, A. P., work of, 261  
vegetation, in Columbia County area, 264; postglacial history of, 382  
velvetweed, 169  
Venus' looking-glass, 214  
*Veratrum*, 97; *viride*, 97, 339, 355  
*Vcrbascum*, 201, 202; *Blattaria*, 202; *Thapsus*, 202, 387  
*Vcrbcna*, 195; *hastata*, 195, 196, 353; *simplex*, 195; *urticaefolia*, 195, 196, 353, 388  
Verben Family, 195  
*Verbenaceae*, 195, 392  
*Vcrnonia*, 216, 219; *novaboracensis*, 219  
*Veronica*, 201, 204; *agrestis*, 232; *americana*, 204, 205, 355; *Anagallis-aquatica*, 204, 205; *arvensis*, 204; *Chamaedrys*, 204; *comosa*, 205; *con-nata*, 204, 205; *latifolia*, 204; *offici-nalis*, 204; *peregrina*, 204; *scutellata*, 204, 205, 355; *serpyllifolia*, 204  
*Veronicastrum*, 201, 204; *virginicum*, 204, 339, 357, 363 (map)  
vervain, blue, 196; white, 196  
vetch, 158  
*Viburnum*, 210, 300; *acerifolium*, 210, 211, 304, 307, 312, 318, 347, 354, 375, 376, 379; *alnifolium*, 36 (illus.), 210, 306, 307, 344, 349, 361, 366 (map), 376; *cassinoides*, 211; *Lantana*, 211; *Lentago*, 211, 299, 355; *nudum*, 232; *Opulus*, 210, 211, 361; var. *ameri-canum*, 211, 301; *prunifolium*, 380; *Rafinesquianum*, 211, 304, 320, 331, 332; *recognitum*, 211, 298, 299, 354; *trilobum*, 211  
*Vicia*, 155, 158, 378; *sativa*, 232; *tetra-sperma*, 158, 387, 390; *villosa*, 158, 161, 387  
*Vinca*, 192; *minor*, 192  
*Viola*, 171, 172, 306; *blanda*, 172, 173, 298, 353; *canadensis*, 172, 173, 311; *conspersa*, 172, 174, 339, 353; *cucul-lata*, 172, 173, 339, 355; *finbriatula*, 172, 173, 339, 353; *incognita*, 172, 173; *lanceolata*, 232; *latiuscula*, 172, 173; *pallens*, 172, 173, 298, 355; *pal-mata*, 172, 173, 319, 353; *papilionacea*, 172, 173, 298, 353, 379; *pensylvanica*, 172, 173, 319, 353; var. *leiocarpa*, 173; *pubescens*, 172, 173, 319, 353; *rostrata*, 103, 172, 174, 360; *rotundi-folia*, 172, 173, 256, 306, 308, 332, 349, 360, 376; *sagittata*, 172, 173; *Sel-kirkii*, 232; *septentrionalis*, 172, 173, 360; *sororia*, 172, 173, 355  
*Violaceae*, 171, 392  
violet, 172; Canada, 173; dog, 174; downy yellow, 173; green, 171; long-spurred, 174; meadow, 173; round-leaved yellow, 173; swamp blue, 173; sweet white, 173; woolly blue, 173; yellow, 173  
Violet Family, 171  
Virginia creeper, 168  
virgin's-bower, 133  
*Vitaceae*, 168, 392  
*Vitis*, 168; *aestivalis*, 168; var. *argenti-folia*, 168; *Labrusca*, 168, 355; *ri-paria*, 168, 353  
vlei, at Kinderhook, 133

## W

- Wahl, H. A., cited, 123; determination by, 123  
wake-robin, 100  
*Waldsteinia*, 146, 148; *fragarioides*, 148, 355  
walnut, black, 105  
Walnut Family, 105  
wandering Jew, 93  
Warden, D. B., cited, 256, 282; de-scribes forest in 1799, 256  
Warren's Woods, 378  
water arum, green, 91; beech, 278; cress, 137; cress, creeping yellow, 137; cress, yellow, 137; hemlock,



- 181; lily, white, 129, 286, 287 (illus.), 288, 290; yellow, 129, 276 (illus.), 277, 286, 290; marigold, 299
- Water Lily Family, 128
- water-laid soils, plants of, 311
- waterleaf, 194
- Waterleaf Family, 194
- water-milfoil, 177
- Water-milfoil Family, 177
- water-plantain, 46
- Water-plantain Family, 46
- Water-starwort Family, 165
- waterweed, 47
- Waterwort Family, 170
- Watson, Sereno, determination by, 127
- wayfaring tree, 211
- Weatherby, C. A., acknowledgment to, 166; cited, 261
- Weaver, John E., & Clements, Frederic E., cited, 285, 368
- weeds, in Columbia County area, 385-391
- Wherry, E. T., opinion cited, 194
- white cedar, 40, 278; coastal, 40
- Wibbe, J. H., species reported by, 97, 103, 126, 128
- Wiegand, K. M., opinion cited, 26
- Wiegand, K. M., & Eames, A. J., cited, 9, 106, 129, 139, 219
- Wiegand, K. M., & Weatherby, C. A., cited, 219
- willow, 108, 339; bay-leaved, 109; black, 109; crack, 110; hoary, 110; prairie, 110; pussy, 110, 299; purple, 110; river-bank, 110; shining, 109; silky, 110, 299
- Willow Family, 107
- Winchell, Alexander, cited, 261; species reported by, 214
- windflower, 132
- winterberry, 166
- wintergreen, 185; spotted, 184
- witch hazel, 145, 304
- Witch Hazel Family, 145
- Wolffia*, 92; *columbiana*, 92
- wood sorrel, 162; violet, 162; yellow, 162
- woodbine, 133
- Woodsia*, 30; *ilvensis*, 30, 323, 330, 354; *obtusata*, 31, 321, 330, 354
- Woodwardia*, 33
- Woodworth, Jay Backus, cited, 235, 236
- Woodworth, W. V. S., cited, 261, 390; species reported from Kinderhook by, 40, 105, 127, 155, 162, 185, 208, 214
- wool grass, 70
- Wright, John, 261; determination by, 167
- Wright, John, & Hall, James, cited, 261, 390; species reported by, 127, 154, 205, 214; work of, 261

## X

- Xanthium*, 215, 219; *orientale*, 219, 334, 337, 354, 386
- Xanthorhiza*, 130, 131, 377; *simplicissima*, 131
- xerarch successional series, 302, 337
- Xyridaceae*, 92, 391
- Xyris*, 92; *caroliniana*, 92, 93; *flexuosa*, 231; *montana*, 92, 93

## Y

- Yam Family, 101
- yarrow, 229, 389
- yellow-eyed grass, 92, 101
- Yellow-eyed Grass Family, 92
- yellowroot, 131
- yew, 308, 343, 344, 347; American, 41
- Yew Family, 41

## Z

- Zannichellia*, 42, 45; *palustris*, 45; var. *major*, 45
- Zanthoxylum*, 163; *americanum*, 163, 331
- Zenkert, C. A., cited, 9, 20, 21
- Zizania*, 50, 61, 276, 277, 281; *aquatica*, 61, 274; var. *angustifolia*, 61
- Zizanieae*, 48, 50
- Zizia*, 179, 180; *aptera*, 180, 181, 357; *aurea*, 180, 339, 353, 387
- Zosteraceae*, 42







New York Botanical Garden Library



3.5185 00337 3915



